

19981211.qrp v01_n302.qrs.981211

Date: Fri, 11 Dec 1998 19:10:57 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1302

QRP-L Digest 1302

Topics covered in this issue include:

- 1) [27056] Oct. 1998 QST Page 61 thru 63
by Ed Loranger <we6w@qsl.net>
- 2) [27057] Results of the December Spartan Sprint
by "Russ Carpenter" <russ@natworld.com>
- 3) [27058] Re: Georgia on my mind
by Chris Cartwright <ccart@dns.vidtel.com>
- 4) [27059] WTB: Ten Tec 250hz CW Filter
by "Tim Cook" <timcook@erinet.com>
- 5) [27060] Spooled Antennas.
by Ed Loranger <we6w@qsl.net>
- 6) [27061] DK3 update 11-DEC-98 (final?)
by Chris Cartwright <ccart@dns.vidtel.com>
- 7) [27062] Stampede City Award
by Peter Larsen <larsenp@cadvision.com>
- 8) [27063] Re: Crystal Source HW-9
by "John F. Bennett" <n9ta@iquest.net>
- 9) [27064] Backpackers
by "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
- 10) [27065] Re: My 160 meter "slinky"
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 11) [27066] RE: My 160 meter "slinky"
by "Greg Newberry" <newberry@cyberhighway.net>
- 12) [27067] Hamcation '99
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 13) [27068] Re: Crystal Source HW-9
by "John J. McDonough" <jjmcd@tm.net>
- 14) [27069] Re: [26856] "Why QRP?" color slides available
by "Todd" <kb4dpf@visi.net>
- 15) [27070] Re: CB Conversion
by "Todd" <kb4dpf@visi.net>
- 16) [27071] Re: CB Conversion
by Peter Larsen <larsenp@cadvision.com>
- 17) [27072] Fox Hunt Logging
by w2xn@juno.com (Fred J Kalt)
- 18) [27073] N/T+ FOX
by Tom Palmer <n1tp@worldnet.att.net>
- 19) [27074] Re: Wonderbar 10m - economical 2 el antenna REVISITED

by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
20) [27075] Re: Advice please
by Lee Bahr <bahr521@earthlink.net>
21) [27076] antenna help
by K4NK@aol.com
22) [27077] Re: Soldering Skills
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
23) [27078] Re: N/T+ FOX
by Tom Palmer <n1tp@worldnet.att.net>
24) [27079] Soldering DIN Connectors
by Ed Manuel <n5em@flash.net>
25) [27080] FOX: re: WN6HYX
by k5zty@juno.com
26) [27081] Fox:corrected K5ZTY log
by k5zty@juno.com
27) [27082] Elmer205: Part 1 - SPICE introduction and Lab 1
by Chuck Adams <adams@ticnet.com>
28) [27083] Foxii log
by wn6hyx@qsl.net ()
29) [27084] Re: Fox Hunt Logging
by Chuck Adams <adams@ticnet.com>
30) [27085] foxii log again
by wn6hyx@qsl.net ()
31) [27086] Re: Elmer205: Part 1 - SPICE introduction and Lab 1
by Chuck Adams <adams@ticnet.com>
32) [27087] Re: My 160 meter "slinky"
by "Ivan Dubinsky" <ivand@mountain-inter.net>
33) [27088] Re: FOX: re: WN6HYX
by Tom Palmer <n1tp@worldnet.att.net>
34) [27089] Removal of sticky labels, etc.
by "rohre" <rohre@arlut.utexas.edu>
35) [27090] FOX: N2T0
by "Kevin F. Glynn" <kfglynn@prodigy.net>
36) [27091] Slinky antenna Info
by "Todd Carpenter" <carpentt@citrine.indstate.edu>
37) [27092] FOX : Mixed night
by Macstein@aol.com
38) [27093] foxii thanks
by wn6hyx@qsl.net ()
39) [27094] Operating reference, every shack
by "rohre" <rohre@arlut.utexas.edu>
40) [27095] 409
by Pete Burbank <plburbank@kih.net>
41) [27096] Re: 409
by Lee Bahr <bahr521@earthlink.net>
42) [27097] Re: Foxii log
by "Rud Merriam" <rmerriam@csi.com>
43) [27098] RE: Soldering Skills-Uh-oh!!!

by "Ed Tanton" <n4xy@mindspring.com>
44) [27099] Not QRP - Picking up cable TV on my TV antenna
by "Bill Todd" <bill@willapabay.org>
45) [27100] Re: FOX: N2T0
by we6w@juno.com (Ed Loranger)
46) [27101] N/T+ fox: final log from KF4JSV for 12/8
by "JEFFREY MICHAEL POULIN" <jpoulin@erols.com>
47) [27102] HW-9 transmit problem
by Chas1c@aol.com
48) [27103] Re: Sittin' -n-watchin'
by "Steve/n0tu" <n0tu@webaccess.net>
49) [27104] Re: Georgia on my mind
by Michael Neverdosky <MichaelN@cycat.com>
50) [27105] Re: Elmer205: Part 1 - SPICE introduction and Lab 1
by Pete and Ros <peteros@home.com>
51) [27106] Re: foxii thanks
by W5TB <w5tb@SoftHome.net>
52) [27107] Slinky antennas for sale
by "Dan Romanchik" <danr@izzy.net>
53) [27108] Thursday Dorsey in a-rears
by Robsparks@aol.com
54) [27109] Re: N2T0
by Conard Murray <ws4s@infoave.net>
55) [27110] Slinky source...
by "Radman" <radman@best.com>
56) [27111] Elmer205: SPICE online at LEHIGH.EDU
by Chuck Adams <adams@ticnet.com>
57) [27112] Re: Help! Trouble Soldering DIN Connectors
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
58) [27113] Re: Field Antenna Idea
by kv7g@juno.com
59) [27114] Re: Soldering Skills-Uh-oh!!!
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
60) [27115] More info on my classroom soldering
by Bill Jones <kd7s@psnw.com>
61) [27116] A sign?
by "Jeff M. Gold" <JGold@tntech.edu>
62) [27117] RE: Soldering Skills-Uh-oh!!!
by "Roger A. McCarty" <rmccarty@earthlink.net>
63) [27118] Re: Not QRP - Picking up cable TV on my TV antenna
by "Bill Todd" <bill@willapabay.org>
64) [27119] Re: Not QRP - Picking up cable TV on my TV antenna
by "Bill Todd" <bill@willapabay.org>
65) [27120] The Spice of life.
by "D.K. Philbin" <dphilbin@thegrid.net>
66) [27121] Sittin' an watchin'
by wn6hyx@qsl.net ()
67) [27122] FS: Highmound BK-100 bug

by "Jim Johnson" <km7h@gte.net>
68) [27123] 40673 FS
by James Skalski <jskalski@buffnet.net>
69) [27124] Re: thanks do Dave B and Doug H
by Jim Lowman <jmlowman@ix.netcom.com>
70) [27125] RE: Not QRP - Picking up cable TV on my TV antenna
by "Ed Tanton" <n4xy@mindspring.com>
71) [27126] fox schedule
by "Jeff M. Gold" <JGold@tntech.edu>
72) [27127] Fox: Hound leader board
by "Richard E. Robinson" <rerobins@email.uncc.edu>
73) [27128] Re: A sign?
by David Fouchey <dafouchey@jax-inter.net>
74) [27129] RE: Soldering Skills-Uh-oh!!!
by "Ed Tanton" <n4xy@mindspring.com>
75) [27130] Discounted Books
by "Joiner, Randy - LYSBB" <JoinerR@avionics2.robins.af.mil>
76) [27131] MINI-L: I volunteer!
by Jim Glover <psykey@okcforum.org>
77) [27132] Re: foxii log again
by DNT1@daimlerchrysler.com
78) [27133] Pixie2 Upgrades and MINI-L.
by Ed Loranger <we6w@qsl.net>
79) [27134] re: EBAY EXPERIENCE
by Brad Bradfield <b_bradfield@yahoo.com>
80) [27135] Slinky Antenna
by Jim Fielden <fielden@utkx.utcc.utk.edu>
81) [27136] Re: Elmer205: Part 1 - SPICE introduction and Lab 1
by William-McShan@ouhsc.edu (Mike McShan)
82) [27137] Re: 40673 FS
by "Brad Hernlem" <alihernlem@hotmail.com>
83) [27138] Re: Discounted Books
by Chuck Carpenter <w5usj@webwide.net>
84) [27139] DU4DX
by Peter Larsen <larsenp@cadvision.com>
85) [27140] Re: Submarines - not QRP
by w4bws@juno.com (Donald E Sanders)
86) [27141] Re: Stinky Slinky
by w4bws@juno.com (Donald E Sanders)
87) [27142] Re: My 160 meter "slinky"
by w4bws@juno.com (Donald E Sanders)
88) [27143] RE: picking up cable tv
by hamjoel@juno.com

Date: Thu, 10 Dec 1998 23:51:37 +0000
From: Ed Loranger <we6w@qsl.net>

To: qrp-l@lehigh.edu
Subject: [27056] Oct. 1998 QST Page 61 thru 63
Message-ID: <36705E89.6D83@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

It is light reading: "One Stealthy Wire", written by Steve Ford, WB8IMY, who tells of his 80 Foot sloper and how he made it all band with a crude matching coil. Later he got himself a nice tuner. But pretty good results right off the bat.

Anyone needing to get on the air will need a SWR meter to find the right taps for the band in question. Once they are marked, you don't need that SWR meter.

This is not anything new, just sharing two things here:

- 1) This guy is a good writer with plenty of humor! Love it!
- 2) Dispel any fears some operators have about not having the great antenna tuner. Or the Antenna analyzer optimized antenna.

RF has to go somewhere.

I bet my pixie2 will hear it.
-Ed

Best bumper sticker I've ever seen:

My wife has taken to wearing a sticker she pulled off the french bread she bought 2 days ago: "Hot at 4PM Daily".
Giddy, ain't she? I've been laughing for 2 days!

--

72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Thu, 10 Dec 1998 16:08:59 -0800
From: "Russ Carpenter" <russ@natworld.com>
To: "QRP-L List" <qrp-l@lehigh.edu>
Subject: [27057] Results of the December Spartan Sprint
Message-ID: <199812110005.QAA18243@guppy.pond.net>

Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

40 meters was solid gold during the December Spartan Sprint. 80 meters was gasping for breath and 20 meters was DOA. But good old 40 came through.

Once again, it was a remarkably successful Sprint. Congratulations to Dr. Bob, N7XJ, who won both divisions!

Each contact received 1 point. If we didn't know your station weight, we assigned a weight of 30 pounds. Stations weighing more than a Sumo wrestler also received a weight of 30 pounds.

THE SKINNY DIVISION (sorted in order of points per pound)

Call	Name	80M	40 M	20M	Total	Weight	Points/ Pound
N7XJ	Bob	0	40	0	40	1.2	33.33
K6PZB	John	0	7	0	7	.4	17.50
W3TS	Mike	8	12	0	20	1.2	16.67
AA7QU	Russ	3	27	0	30	2.7	11.11
K5HWT	Morgan	0	9	0	9	1.16	7.76
K1QM	Joel	3	13	0	16	3	5.33
WE6W	Ed	0	33	0	33	6.5	5.08
N7CEE	Bruce	0	4	0	4	.84	4.76
N2WF	Bill	0	7	0	7	2.2	3.18
W3KC	Charles	6	32	0	38	12	3.17
KB7MBI	Alan	0	27	0	27	13.1	2.06
AB0CD	Dick	0	7	0	7	4	1.75
K6NO	Rick	0	4	0	4	2.5	1.60
W7SNV	Al	0	8	0	8	5.2	1.54
KQ0I	Mark	0	11	0	11	11	1.00
VE7ELA	Ken	3	11	0	14	17	0.82
AA2VX	Mike	0	11	0	11	30	0.37
K6RPN	Doug	0	10	0	10	30	0.33
C02HA	Francisco	0	7	0	7	30	0.23
KX8LL	John	0	4	0	4	18.25	0.22

THE TUBBY DIVISION (sorted in order of points)

Call	Name	80 M	40 M	20M	Total
N7XJ	Bob	0	40	0	40
W3KC	Charles	6	32	0	38
WE6W	Ed	0	33	0	33

AA7QU	Russ	3	27	0	30
KB7MBI	Alan	0	27	0	27
W3TS	Mike	8	12	0	20
K1QM	Joel	3	13	0	16
VE7ELA	Ken	3	11	0	14
AA2VX	Mike	0	11	0	11
KQ0I	Mark	0	11	0	11
K6RPN	Doug	0	10	0	10
K5HWT	Morgan	0	9	0	9
W7SNV	Al	0	8	0	8
C02HA	Francisco	0	7	0	7
K6PZB	John	0	7	0	7
N2WF	Bill	0	7	0	7
AB0CD	Dick	0	7	0	7
K6NO	Rick	0	4	0	4
KX8LL	John	0	4	0	4
N7CEE	Bruce	0	4	0	4

Thanks for your support!

Russ Carpenter, AA7QU
Contest Manager for Adventure Radio Society

Date: Thu, 10 Dec 1998 20:15:41 -0500 (EST)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@lehigh.edu>
Subject: [27058] Re: Georgia on my mind
Message-ID: <Pine.LNX.3.93.981210201126.2010A-1000000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 10 Dec 1998, Michael Fletcher wrote:

> I'm moving from Washington state to a new job in Norcross, Georgia

NF3I moved from MD to OR, and KL7IXI goes from WA to GA, the QRP world is still in balance :)

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Thu, 10 Dec 1998 19:10:50 -0500
From: "Tim Cook" <timcook@erinet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [27059] WTB: Ten Tec 250hz CW Filter
Message-ID: <015501be249a\$b6b17800\$907f5acf@timcook.erinet.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Still looking for a 282 250hz cw filter for my Paragon,
Please email direct if you have one for sale
Thanks
Tim
NZ8J

Date: Fri, 11 Dec 1998 00:22:59 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-1@lehigh.edu
Subject: [27060] Spooled Antennas.
Message-ID: <367065E2.34FB@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Someone mentioned using a metal measuring tape as
an antenna. Good Memory!

I remembered something about this and just happened to have
the file here in my Misc antennas folder.

It is available in the online QRP-1 archives and the
timestamp on the file from JIM/AL7FS is:
Tue, 28 Jul 1998 10:20:33 -0800

So it is probably in the 980728 archive.

-Ed "Itchin' for some NY Foxhide tonight!"
--

72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Thu, 10 Dec 1998 20:34:57 -0500 (EST)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@lehigh.edu>
Subject: [27061] DK3 update 11-DEC-98 (final?)
Message-ID: <Pine.LNX.3.93.981210201543.2010B-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gangue,

I finally have *all* the DK3's "in stock". NT1R, WA6PBY, W3KC, N9WR
N2MS, KD8G, K1MIJ, KA7YOU, K8IQY, KB6VIR your antennas will go out this
week and I'll email with tracking numbers once they leave.

I still need to hear from N3BJ, KQ8RP, VE7DXJ, VE3CWB, AA2YS, KB0ROB,
and W4BWS. The "just in case" list is still growing so chances are I
won't have any "extras", but if I do I'll post a note. I have KB0LMQ,
WZ2T, W1ME and KK7HV on the standby list.

If I missed anyone, please drop me a note, and everyone else can send a
check whenever, that's the order I use to ship them out.

Oh, if anyone has an email address for N3BJ or AA2YS please let me know
as the ones I have keep bouncing, and I don't want to miss them.

72 es thanks to everyone for all their patience, 9 mos for a group buy,
gotta be some kind of record:)

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Fri, 11 Dec 1998 00:30:34 +0000
From: Peter Larsen <larsenp@cadvision.com>
To: Low Power <qrp-l@Lehigh.EDU>, QRP-Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [27062] Stampede City Award
Message-ID: <367067AA.1A67DEEF@cadvision.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi All:

Although this isn't strictly QRP related, The Calgary Amateur

Radio Assoc. will be holding a Stampede City Award activity day on Sat. Dec 19 from 18:00z to 23:59z.

It will be on 10 meters from 28.310 up.

See www.cara.ampr.org/stampede.html for full details.

Now the tie into QRP. There is a QRP worked all Canada award sponsored by VA3JFF. The idea is to work all of the provinces and territories of Canada with QRP. Here is a chance to put VE6 into the bank.

I will be running VE6NQ, the club call sign, for the day.

I will also be running "big Hooti Powa" so I hope to be loud. I will ask for QRP and mobile stations separate from the pile up so you will have a chance to work me.

If you need any more info or have any questions please send to me direct so as not to burn up the band width.

--

73 es have fun

Peter

VE6YC D021wc

Did you hear about the dyslexic Satanist?

He sold his soul to Santa

Date: Thu, 10 Dec 1998 19:32:52 -0500
From: "John F. Bennett" <n9ta@iquest.net>
To: dhlaute@juno.com, QRP-L <qrp-l@Lehigh.EDU>
Subject: [27063] Re: Crystal Source HW-9
Message-ID: <36706834.2079059F@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello

I got one for my HW-9 from:

P.R. CRYSTALS
Peterson Radio Co., Inc.
2736 Ave. A
Council Bluffs, IA 51501
(712)323-7539

If memory serves....it cost about \$11.00 !!!
73....de....Fred N9TA

Date: Thu, 10 Dec 1998 18:43:33 -0000
From: "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
To: "gqrp-1" <gqrp-1@blacksheep.org>, "qrp-1" <qrp-1@lehigh.edu>
Subject: [27064] Backpackers
Message-ID: <001401be248c\$fc5c95a0\$6feeb094@t7w6w7>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

See my latest backpackers pictures and story - including pictures from the South Pole!

<http://www.homeusers.prestel.co.uk/g3ycc/bakpak.html>

.....
Frank G3YCC
GQRP Club 042
(g3ycc@g3ycc.prestel.co.uk)
Award winning QRP Web Site:
<http://www.homeusers.prestel.co.uk/g3ycc/index.html>

Date: Thu, 10 Dec 1998 21:01:14 -0500
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: ivand@mountain-inter.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27065] Re: My 160 meter "slinky"
Message-ID: <36707CE9.220B40AA@quartz.gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

What are y'all babbling about?

Hams have been loading up bedsprings since the 30's (at least).

The first time I heard it was from an old timer back in the 60's. He

threw in a salacious remark about trying to load up the xyl but that is a topic for another post.

Henry

Date: Thu, 10 Dec 1998 18:09:39 -0700
From: "Greg Newberry" <newberry@cyberhighway.net>
To: <pmbail01@ox.slug.louisville.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [27066] RE: My 160 meter "slinky"
Message-ID: <000401be24a2\$ece40160\$0100a8c0@toby>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

It wasn't too long ago that 'slinky' antennas were marketed. By whom, I don't know. Seems that most homebrewers biggest problem was keeping the coils in place so the inductance wouldn't change as the wind blew, which changed the SWR. Seems that nylon ties, or hot glue, or ??? should help that some how. But... They worked well!

73's
Greg

|
|On Thu, 10 Dec 1998, Vann G Lantz wrote:
|
|> >>While digging through the junk in my shack for a new coil form I came
|> across a "slinky" and a lightbulb in my head went on.
|>
|> This is HAM at its finest. I WILL keep a slinky on hand from now on.
|> Good job!
|
|Slinkys, especially metal ones, ARE wonderful wonderful toys for girl and
|boy hams and SWLs. :)
|
|There was quite the thread on rec.radio.shortwave recently on various
|Beverage and "regular longwire" antennas for restricted-antenna areas
|(i.e. if you're an apartment dweller)--one of the more clever ideas was to
|use a metal Slinky as an antenna.

Date: Thu, 10 Dec 1998 21:05:18 -0500
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: qrp-1@lehigh.edu
Subject: [27067] Hamcation '99
Message-ID: <36707DDD.412B151B@quartz.gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Anybody know what the story is with Hamcation '99.
I know the dates but I have not yet received an official announcement.

Anyone feel like organizing a qrp get together?

After last year, my days as a qrp event organizer are history.
If someone else wants to put it together, I will be happy to attend.

Henry

Date: Thu, 10 Dec 1998 20:15:52 -0500
From: "John J. McDonough" <jjmcd@tm.net>
To: <n9ta@iquest.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [27068] Re: Crystal Source HW-9
Message-ID: <199812110116.7768600@is1.tm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> From: John F. Bennett <n9ta@iquest.net>
>
>
> If memory serves....it cost about \$11.00 !!!

Man, for that kind of money I'd go right to International Crystal. I think most typical crystals are about that, and those guys are pros. They know exactly what you need. Recently I ordered a pair of crystals for an ancient HT. I had no idea about the load capacitance, or even the IF. This radio was about 20 years old and it took the lady on the phone about 3 milliseconds to find it and all the necessary crystal specs. It did take a couple of weeks (they make them to order) but it arrived exactly when she

said it would. I think I could have shortened it a bit by paying for faster shipping, but I wasn't in that much of a rush.

I looked them up on Infoseek and came up with <http://www.icmfg.com/>. I then called the number there (I'm still a bit of a luddite about giving credit card numbers over the net, plus I didn't really know what I needed).

If you're gonna pay top dollar may as well get top service.

72/73 de WB8RCR <http://users.tm.net/jjmcd/>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Thu, 10 Dec 1998 20:15:26 -0000
From: "Todd" <kb4dpf@visi.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [27069] Re: [26856] "Why QRP?" color slides available
Message-ID: <004501be2479\$d47c20e0\$0fc608d1@amy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I too downloaded the slides and will probably show them to my club here.
Thanks for a terrific visual aid!

Todd
Gloucester, VA

Date: Thu, 10 Dec 1998 20:23:45 -0000
From: "Todd" <kb4dpf@visi.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [27070] Re: CB Conversion
Message-ID: <006401be247a\$fde7f5c0\$0fc608d1@amy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

While on the subject of CB Conversion

I have a Cobra 148GTL, and a Uniden Grant (almost the same radio I believe).
I wonder, does anyone have
any information on converting these two radios to 10m use? I would love to
have these now unused CB's
in active duty on AM/SSB for me & the XYL.

Thanks!

Todd & Amy
KB4DPF & KF4TMX

Date: Fri, 11 Dec 1998 01:34:22 +0000
From: Peter Larsen <larsenp@cadvision.com>
To: kb4dpf@visi.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [27071] Re: CB Conversion
Message-ID: <3670769E.A753AE83@cadvision.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi All:

Check out "CB City" They use to advertise in CQ\73 magazines.
This is where I got the info to convert my RS AM\SSB radio
to 10 meters. I also got info on how to get 160 channels
out of it. 40 down, the original 40 and 80 up.
All it took was to change a crystal and some 10K resistors with
switches.
Now If I could only remember which box it is in...

--
73 es have fun
Peter
VE6YC D021wc

Did you hear about the dyslexic Satanist?
He sold his soul to Santa

Date: Thu, 10 Dec 1998 20:51:53 -0500
From: w2xn@juno.com (Fred J Kalt)
To: qrp-l@lehigh.edu

Subject: [27072] Fox Hunt Logging
Message-ID: <19981210.205154.-805637.8.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi all,

I want to thank all those foxii who responded to my question about how to log, send, write, and keep yourself sane during a Fox Hunt if you are a Fox.

Many of the responses recommended using a logging or contest program on the computer. This is gonna be a BIG problem for me. You see, my radio shack and my computer are about 50 feet apart at different ends of the house and boy am I gonna wear out my sneakers running back and forth.

Seriously, though, they are separated at different ends of the house so I would have to rely on the pencil and paper method. I greatly appreciate the comments I received and the help from all.

Fred W2XN
Lakeland, FL
W5YI-VE Skywarn #POL-007 Polk County ARES Net Manager AR QRP
#233 QRP-L #1728
My Web Page:
<http://www.geocities.com/ResearchTriangle/Thinktank/5344/>

Date: Thu, 10 Dec 1998 20:58:35 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [27073] N/T+ FOX
Message-ID: <36707C4B.10BC3079@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QSO with WN6HYZ. Good evening here in Florida cuz got Mary's ear at 0146Z. As usual, though, heard Bill, K5ZTY, bag a pelt ahead of me. It never fails: Bill ALWAYS nabs all FOXII, N/T+ or otherwise, ahead of me. HI...HI. Now looking forward to QSO this evening with N2T0, in NY. That should (?) be an easier pelt, but one never knows for sure. After

all, can't count a pelt before it's on the wall.

Regards to all. Tom, N1TP, Naples, FL.

Date: Thu, 10 Dec 1998 21:15:50 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Bruce Barley <lbbbarley@feist.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [27074] Re: Wonderbar 10m - economical 2 el antenna REVISITED
Message-ID: <Pine.GS0.3.96.981210205840.15553B-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I did a study of fans and bowties, doth dipole and 2-element Yagis, for Communications Quarterly a few years back--both modeling performance and building a test model. A design summary was made available in 10-10 News--and that is on line at my site under the An-Ten-Ten-nas columns.

Essentially, the ideal length is about 12' with a vertical height at the outer edge of about 4' for a resonant dipole. The old wonder-bar construction is less mechanically stable than the type of structure used by the HF5B butterfly beam (which is actually naturally resonant at about 25 MHz for multi-band coverage). This structure uses a center horizontal rod--split and center-fed--with end rods/rubes that support the sloping wires that make up the fan. Keeping just a bit of stress on the wires makes the assembly quite sturdy, but light enough to slip wind nicely.

To make a 2-element beam, you can either adjust the resonance of each element by adjusting the dimensions. Or you can do a little inductive loading of the reflector after making it physically identical to the director.

The performance of the antenna is identical to a standard 2-element Yagi of the same spacing. The operating bandwidth will be wider, although a full size 2- element Yagi can cover the entire 1st MHz of 10 meters. The double fan covers the whole band. The full size Yagi is about 16' wide--the fa only 12' wide. Gain and F-B are the same--fanning out the elements adds nothing to these numbers. Either antenna type can be made from materials available at the hardware depot and/or RS or similar.

If you need a first beam--home brew--for 10 meters, there are a variety of simple designs noted in the An-Ten-Ten-nas series--and more to come in the future--also some 3-element and quad designs intended to use locally available materials. Most can be adpated to 12 meters, but may need some attention to mechanical features if scaled to 15 meters.

The original wonderbar for 10 meters was made from copper tubing, weighed a ton by modern standards, and I am sure became a 10-meter pretzel during the first big wind. More recent mechanical designs are stronger and lighter. However, basic Yagi design has also improved so that full first MHz coverage of 10 is possible with even simpler mechanical designs.

Hope this is useful.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	(Off)	(423)	974-7215
1434 High Mesa Drive	/	\	\		----	/\----	(Hm)	(423)	938-6335
Knoxville, Tennessee	/\	\	\	/	/		(FAX)	(423)	974-3509
37938-4443	USA	/	\	\	\				cebik@utk.edu
URL:	http://web.utk.edu/~cebik/radio.html								

Date: Thu, 10 Dec 1998 20:23:40 -0600
From: Lee Bahr <bahr521@earthlink.net>
To: n4xy@mindspring.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27075] Re: Advice please
Message-ID: <3670822C.7648D80C@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

You need to terminate each device into a 4 or 8 ohm load resistor and inject signal from each device's output into a mixer. Then the mixer's outputs should be used to drive an outboard ampifier. This way, both devices will be able to use common speakers. The mixer will have independent level controls to balance the outputs to a required level.
Lee Bahr w0vt

Ed Tanton wrote:

>
> I would say it's not a good idea Jack... by doing this, if the devices have
> output transformers, you will also be placing the output transformer of the
> 2nd unit in parallel with the rest of the devices. Even without one, there
> may likely be some complex impedences mixed, and -as you suggested-AC

> voltages my well be fed back into the unused device. Use a switch.

Date: Thu, 10 Dec 1998 21:16:57 EST
From: K4NK@aol.com
To: qrp-1@Lehigh.EDU
Subject: [27076] antenna help
Message-ID: <6004e04c.36708099@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

I am looking for the paper worksheets that come with the Cushcraft TEN-3 . It is a 3 el. Ten meter beam antenna. Will pay for a copy.

Thanks Les K4NK

Date: Thu, 10 Dec 1998 20:45:36 -0600
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: kd7s@psnw.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27077] Re: Soldering Skills
Message-ID: <36708750.A4BB7425@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I enjoyed hearing of your test for a good solder joint and I know that it is to test the quality of the solder joint.

I know you know the following but just so that no one gets the wrong idea I'd thought I would mention that every solder connection that is meant to last should start with a good mechanical connection whenever possible. One should never depend on the mechanical strength of solder any electronics works.

73,
Steve Yates
AA5TB
aa5tb@swbell.net
<http://home.swbell.net/aa5tb/>
Fort Worth, Texas

Date: Thu, 10 Dec 1998 21:51:32 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [27078] Re: N/T+ FOX
Message-ID: <367088B3.8290D00F@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Of course, Mary's call sign is WN6HYX (not Z) dit dit

Tom Palmer wrote:

> QSO with WN6HYZ. Good evening here in Florida cuz got Mary's ear at
> 0146Z. As usual, though, heard Bill, K5ZTY, bag a pelt ahead of me. It
> never fails: Bill ALWAYS nabs all FOXII, N/T+ or otherwise, ahead of me.
> HI...HI. Now looking forward to QSO this evening with N2T0, in NY.
> That should (?) be an easier pelt, but one never knows for sure. After
> all, can't count a pelt before it's on the wall.
>
> Regards to all. Tom, N1TP, Naples, FL.

Date: Thu, 10 Dec 1998 21:00:55 -0600
From: Ed Manuel <n5em@flash.net>
To: qrp-l@lehigh.edu
Subject: [27079] Soldering DIN Connectors
Message-ID: <3.0.5.32.19981210210055.0091bea0@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I had one more suggestion that I have found useful, in addition to all the good advice about hot irons.

You need a connector holder - like a small vise. You just don't have enough hands without it.

Strip your cable with just enough wire to fit into the shell of the pin. Tin the wire quickly with a SMALL amount of solder. Now, heat the cup on the pin and tin with a drop of solder - not enough to overflow the cup, but enough to have some solder in the cup. Do this for each pin you are going to solder to.

Let all the connections cool for a few minutes.

Now the good part. Take your first wire, hold with a pair of needle nose pliers (or burned fingers will be your fate). Heat the pin, melt the solder (takes about 0.5 seconds), then gently push the wire in the cup. Remove heat and let the solder harden. First pin done.

The reason I've used this technique is that I only need two hands. Any way you slice it, you got a wire, an iron and solder otherwise - three hands. And sometimes I soften the plastic, too.

This technique works pretty well for me except on those *#@\$! 13 pin DIN connectors on the back of my TS-790A - what a nightmare.

Fun - melt solder.

Ed Manuel, N5EM
Houston, Texas
n5em@amsat.org
n5em@flash.net

Date: Fri, 11 Dec 1998 06:13:26 -0600
From: k5zty@juno.com
To: qrp-1@lehigh.edu
Subject: [27080] FOX: re: WN6HYX
Message-ID: <19981211.062423.10286.7.k5zty@juno.com>

I got to work Mary the foxen tonight. I was busy foxing around last night when you other guys worked her. I see what all the glowing remarks were about now. She's a good op!

Thanks for the 'Q' Mary, hope to work you again soon.

72,
Bill, K5ZTY
Houston, TX
k5zty@juno.com

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 11 Dec 1998 06:24:04 -0600

From: k5zty@juno.com
To: prvalko@oakland.edu
Cc: rerobins@email.uncc.edu, qrp-1@lehigh.edu
Subject: [27081] Fox:corrected K5ZTY log
Message-ID: <19981211.062424.10286.8.k5zty@juno.com>

K5ZTY Log 09 Dec '98 UTC

02:00	W1GL	579	RI	TED	5W
02:01	W4VCT	589	KY	PETE	1721
02:02	N9DD	599	IN	TOM	32
02:03	K10J	559	TX	OJ	732
02:04	NQ7X	559	AZ	FLOYD	343
02:06	WE6W	579	CA	ED	1068
02:07	W2UX	559	SC	GARY	593
02:08	KF4KSM	559	FL	MAC	704
02:10	N1TP	569	FL	TOM	1317
02:12	K5ON	579	NM	GARY	770
02:13	K5GQ/M	579	TX	MARK	794
02:15	N2WF	559	NJ	BILL	955
02:16	NA3V	569	PA	JIM	5W
02:17	KU4AF	569	NJ	JOHN	987
02:18	WD8KQY	579	OH	GARY	446
02:19	N4ROA	559	VA	DAN	970
02:20	WS8D	579	MI	MIKE	1188
02:21	K0EVZ	569	ND	DOC	861
02:22	N7VAR	599	OH	RON	263
02:24	K1QM	559	ME	JOEL	?37
02:28	W2XN	579	FL	FRED	1728
02:30	W8SFF	559	MI	STEVE	1288
02:31	N1FN	559	CO	MARSHALL	153
02:31	K8CV	559	MI	WALT	935
02:32	KI0II	559	CO	RON	928
02:33	WB8RCR	449	MI	JOHN	1446
02:34	KQ5U	559	TX	TERRY	1603
02:36	KU7Y	599	NV	RON	17
02:37	K1MG	579	CA	MIKE	614
02:38	K0Y0	579	CO	MIKE	1271
02:39	W5SB	599	TX	BILL	1279
02:40	VE3ELA	559	ON	KEN	1236
02:41	N0AR	559	MN	SCOTT	1455
02:42	AE2T	599	NY	AL	1664
02:43	K2VCO	599	CA	VIC	725
02:44	KA4BMK	599	FL	JIM	5W
02:45	N2ZHY	559	NJ	DAVID	2W
02:46	WA8GHZ/5	569	TX	JACK	619
02:48	VE5RC	229	SK	BRUCE	886
02:48	AA9L	559	WI	RICH	1355
02:50	N6WG	449	CA	BOB	26

02:52	N0RN	559	CO	BOB	1789
02:53	KI0KY	559	CO	STEVE	1303
02:54	KA3WMJ	559	PA	KEN	355
02:55	VE2KN	559	PQ	JIM	103
02:56	VE6EWM	559	AB	EARL	1076
02:57	VE3JC	559	ON	JOHN	744
02:58	N3YSI	559	PA	PAUL	3W
03:00	AB7TT	559	AZ	JOE	191
03:01	AE3OU	589	MD	BILL	5W
03:02	WZ2T	599	NY	RICK	122
03:05	KK5WL	599	TX	GARY	330
03:07	KD6VIO	559	CA	BOB	5W
03:09	N0UR	559	MN	JIM	799
03:11	N8IE	599	OH	DAN	1404
03:13	K8ZN	559	OH	DOUG	1724
03:15	N7GS	559	MT	MAL	815
03:17	W2PFS	559	NY	HAL	5W
03:19	WB8E	559	MI	WALT	5W
03:22	KG2LO	559	NJ	ROLAND	1445
03:24	KF2PH	569	NY	NICK	13
03:26	NK6A	559	CA	DON	1517
03:29	WF4I	559	NC	DEREK	5W
03:32	WB9LKC	349	WI	RAY	8
03:37	AK1P	559	CA	PAUL	284
03:39	AA5TA	559	TX	LARRY	1245
03:40	KB9IOT/M	559	IN	DAVID	1410
03:43	W0CH	559	MO	DAVE	617
03:46	W2IV	559	NY	JOHN	1193
03:48	N6VZ	559	CA	GARY	919
DUPE	W2XN	579	FL	FRED	1728 DUPE
03:53	VE3LOH	579	ON	LARRY	1638
03:55	WS4S	449	TN	CONARD	993
03:58	AC5II	449	OK	DON	264

Bill, K5ZTY
Houston, TX
k5zty@juno.com

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 10 Dec 98 21:15:36 -0500
From: Chuck Adams <adams@ticnet.com>
To: qrp <qrp-1@lehigh.edu>

Subject: [27082] Elmer205: Part 1 - SPICE introduction and Lab 1
Message-ID: <199812110321.WAA20528@nss4.cc.Lehigh.EDU>

Gang,

Thanks to posting by David Shalita, W6MIK, on a location for SPICE for the PC, we now have a better program (IMHO) to work with. I am assuming that most of the QRP-L crowd are using PC based systems. So go get it.

Go to

<ftp://ftp.demon.co.uk/pub/ibmpc/win95/apps/emulator>

and get

spice3.exe
spice3.txt

Follow the instructions to install. I am currently running it under Windows98 and it does just fine. It is SPICE3f5, or so the docs say, and it will do nicely for what we want to do. This is not a crippled version of SPICE, but a fully functional version that would allow you to do all the simulation for the NC20 or just about any other rig if you have all the models and skills you need. We will add to the component models and I'll later give you URLs to all the models that I know of online on the web.....

So in order to put us all on level ground, please refrain from asking me questions about other versions of SPICE. I have some of the others, but I don't want to move back and forth between UNIX and Windows9X trying things out and the different versions of PSPICE. Read the docs with your particular system or just get the above version.

For those of you running LINUX, you should have a version of SPICE on it and the X-interface is a lot nicer IMHO. See if you can point and click on a curve and have the values at that point print out in the startup window where SPICE is running. Let me know.

So here goes the first of N parts where N is large. This assumes that you are new to SPICE, so be patient all you experts or those that have tube-time on the program.

-----cut here-----

SPICE is a computer simulation program developed with public funding to allow circuit designers to simulate circuits and modify parameters and devices before actually building the circuit(s). This is important especially for very large circuits like designers were starting to development with the larger microprocessors in the mid-1970s. The first few series of micros could be prototyped and tested with discrete logic but that quickly got out of hand due to critical paths and timing and the expense of building, modifying, and testing and retesting circuits. With the high speed computer systems and software the difficult task was helped along with simulation techniques.

SPICE is an acronym for Simulation Program with Integrated Circuit Emphasis. It was originally written in FORTRAN at UC Berkeley in the early 1970s and the version level got up to SPICE2G.6 and conversion and rewrites were done to C and the current public domain versions are SPICE3F4 and SPICE3F5. The WinSpice95 version from the above ftp site is advertised as the 3F5 version.

Now I'm not going into every little detail (it would take a book, so if you are going to get serious about simulation on the computer, then go to the library or start buying books on the topic) of SPICE but spend a lot of time and energy on examples and results for hams. If you don't know how much you are going to do now, then start with

<http://howard.engr.siu.edu/elec/faculty/etienne/spice.overview.html>

and

<http://www.rpi.edu/~toths/spice.over.html>

which are both similar except that the latter has some broken links to figures, so do the first if at all possible.

When spice3 is installed on a PC it will reside in the directory WinSpice3. Go to that directory with a shell window and create a file

e200-1.cir

and in that file put the following lines or cut and paste from this email if you are an expert at doing so.

AC ANALYSIS OF FIVE ELEMENT CHEBYSHEV FILTER

*

* FIVE ELEMENT CHEBY FILTER

```

* #91 in ARRL Handbook Chapter 30 page 25, 30.25 with new
* numbering system in 1995 and later handbook
*
* Results in Handbook
* Fco  3dB  20dB  40dB  MaxSWR
* 7.33 8.89 12.3  18.3  1.175
*
VS  9 0 AC 1
RS  9 1 50
C1  1 0 390PF
L1  1 2 1.48UH
C2  2 0 750PF
L2  2 3 1.48UH
C3  3 0 390PF
RL  3 0 50
.PRINT AC VDB(1) VDB(3)
.AC LIN 71 7MEG 21MEG
.END

```

Some programs want everything in caps due to the nature of FORTRAN and its input scheme, so if you get errors or warnings react appropriately.

OK, I'm now assuming that you have SPICE on your machine and can get it to run without problems. Under Windows98 I browse over to the directory where WinSpice95 resides under c:\WinSpice3 and is called wspice3 and is represented by an icon. In order to get wspice3 to execute using a data file, just drag the icon for the file onto the spice3 icon and the program will be brought up with a window running SPICE3F5. The window will have something like:

```

Program: WinSpice, version 0.03 (based on Berkeley Spice 3f5)
Date built: Jul 16 1998 00:53:31

```

Type "help" for more information, "quit" to leave.

```

Circuit: AC ANALYSIS OF FIVE ELEMENT CHEBYSHEV FILTER
WinSpice 1 ->

```

The last line with the number 1 -> is a prompt line meaning the program is waiting for some command(s).

OK, do the following two commands in order to each prompt that you get

run

plot vdb(3)

and you will get another window with a plot of the output from the filter as a function of the frequency. Maximize this window to see autoscaling of the graph. Pretty neat stuff, huh? Note that at 14MHz the output is down -33dB (this assumes a 1V signal at 14MHz into the front end and if you did that for a 7MHz xmitter then you are in trouble to begin with my friend) and the output is down about -53dB at 21MHz. OK, close that window (the plot) and now enter

plot vdb(1) vdb(3)

this will give you a plot of the ac voltage at nodes 1 and 3 on the same graph, one in red and the other in blue.

Close the graphical window and now type in

edit

at the SPICE prompt. This will open another window with the source file. You can now edit it and save it. Change the source impedance, RS, to 40 ohms and and save the file using the file pulldown menu. Spice will prompt you if you wanna run the program again and you answer yes. Again plot the results and see what happens. This will show you what happens if the PA does not have an impedance of 50 ohms for which the filter is designed. Try several values and get used to changing the values and rerunning with the new data. We'll come back later and do some stuff with L and C components. When you do a quit, the program will ask you if you want to save the new values to the old file. No if you don't, yes if you do.

LAB EXERCISE(S). Take some of the other filters in the handbook and try them. Change the line

.AC LIN 71 7MEG 21MEG

to sweep the frequencies of the filter to lower and higher values and change the number of data points which is now 71. I used this number to do my own plots for an article in the QRP ARCI Quarterly this last year. You may want to create new files and save all the different filters for later reference.

Go through some schematics of xcvrs that you have and create new files with the component values that you find and plot them to see how they do. See NN1G's work on the SW-40+ and SW-30+ and compare with similar filters from others. How about the SST series and the 38-Special?

OK, this outta keep you entertained for a few hours if you get hooked on the process.

Stay tuned (no pun intended) for later developments.

ADVANCED EXERCISE: Remember hearing people talk about impedance matching? Do the following. We have a series circuit consisting of a voltage V , R_S , and R_L corresponding to a voltage source with internal impedance $R(S)$ and a load $R(L)$. Solve for the current value. Solve for the power being dissipated in the load resistance. Do this using the formulas with variables for the values.

Do dP/dR_L and prove that the maximum occurs when $R(L) = R(S)$. dP/dR_L is the first derivative of the power with respect to R_L . You can do this. This is the reason for tuners etc. For more fun do this with complex impedances, i.e. where you have a $X(L)$ or $X(C)$ component. :-)

Review Chapter 5 and look at Thevenin's Theorem and Kirchhoff's Laws and we'll be using them in this series and already have in the above example.

--

Chuck Adams K5FO adams@ticnet.com CP-60
<http://www.ticnet.com/k5fo>

Date: Thu, 10 Dec 1998 22:27:16 -0500
From: wn6hyx@qsl.net ()
To: qrp-1@Lehigh.EDU
Subject: [27083] Foxii log
Message-ID: <199812110327.WAA31675@ns1.qsl.net>

Hello Everyone...

Well I survived...barely. First Big thanks es 88's go to Tom N1TP who helped fix

my antenna swr to 1:1. Hope you enjoy the pelt too Tom. This has been so much fun and I want to thank everyone I qso'd with and everyone I couldn't pull out of the qrm. Thank you all for making this a great experience. Log as follows:

0100 K0EVZ 599 579 ND DOC 886 5W :)(thx for holding freq fer me)
0108 N0TU/M 579 559 CO STEVE 911 5W
0111 KK5LD 559 599 TX DAN 5? 5W
0116 VE5VA 559 559 SK PETE 46 5W
0123 W9UQB 579 579 AZ MIKE 413 5W
0127 KU7Y 589 599 NV RON 17 5W
0131 VE3JC 349 559 ON JOHN 734 5W
0138 K5ZTY 579 559 TX BILL 473 5W
0144 N1TP 559 339 FL TOM 17 5W
0149 WA9PWP 559 579 WI PAUL 127 5W
0152 VE6EWM 589 569 AB EARL 1076 5W
0156 KF4AR 349 559 SC RICK 402 5W
0207 W5TB 459 559 TX DOC 673
0230 KI0II 459 599 CO RON 928
0240 AI4CW 559 339 AL DON 1630 (how did we manage that qso, don?)

Date: Thu, 10 Dec 98 21:39:11 -0500
From: Chuck Adams <adams@ticnet.com>
To: Fred J Kalt <w2xn@juno.com>
Cc: qrp <qrp-l@lehigh.edu>
Subject: [27084] Re: Fox Hunt Logging
Message-ID: <199812110335.WAA30352@nss4.cc.Lehigh.EDU>

Fred and the QRP-L gang,

When I'm on the air there is not a computer in the house turned on. The AMD K6 system that I have generates a lot of RFI. Most attributed to the DiGiview monitor. The SGI 02 system does not generate any RF but I just don't want to be occupied with more overhead that I can handle. And the PC is 20' from the shack in another room.

What I do for the QRP ARCI, ARS, FYBO, QTTF, and other QRP related contests is use a blank sheet of paper. I write across the top of the page the date, QTH, rig and antenna info, etc. Then a row with header information like

TIME	STN	H-RST	S/P/C	NUMBER	RST-sent
------	-----	-------	-------	--------	----------

and what ever other info that is being sent or received. Then fill in line by line as I work during the test. Then after the contest I go and enter the stuff into the computer or email or whatever. Some will marvel at the work that seems to go into this, but I feel that being able to do contests other than SS without a computer is good practice. And the overhead of getting software setup to me is not much fun anyway. Too many different formats and minor changes in exchanges.

And it takes less desk space which is at a premium if you see my desk. :-) I just mailed off a picture to Paul Harden, NA5N, which shows my usual clutter. I don't dare put it on a web page. Paul is free to put it in QRPP if Doug has room left over. We could start a messy desk contest but we'd all be losers.... :-) Just ask the other members of the household. ;-)

Another note that may be of interest. At QSO speeds under 40wpm I write down ALL that the other person sends. It's an old habit and one that I don't want to give up. Comes from copying wireless press frequencies when I was a young kid in west texas..... So if you worked me, I wrote it all down. From the contest days at the Midland Swapfest when they had a CW test every year. They used tapes made up by Roger, W1NJM, who does the CT Wireless Association practices that you hear on 40M weekly.

At higher speeds I may just copy in my head and write little notes on the page or I may get the typewriter and copy. Depends. There are three skills, copying by hand, copying with a typewriter, and copying in the head. You have to work on all three. I'm working on the QRQ page for the web that might be helpful, but hey there's so little time and so much typing..... And I have a bad habit of writing something, rewriting it,

Anyway, I'm not too user friendly when it comes to computers for the small contests and casual operating. They get in the way but you won't ever catch me in SS without one though. There they are a necessary evil. I've done a number of SS contests without a computer using the ARRL printed log sheets and dup sheets. Not a lot of fun for over 200 Qs.

FYI

--

Chuck Adams K5FO adams@ticnet.com CP-60
<http://www.ticnet.com/k5fo>

Date: Thu, 10 Dec 1998 22:37:31 -0500
From: wn6hyx@qsl.net ()
To: QRP-L@Lehigh.EDU
Subject: [27085] foxii log again
Message-ID: <199812110337.WAA32195@ns1.qsl.net>

Hello Everyone...

Wow I am tired. I hope you all know that this log belongs to wn6hyx!

0100 K0EVZ 599 579 ND DOC 886 5W :)(thx for holding freq fer me)
0108 N0TU/M 579 559 CO STEVE 911 5W
0111 KK5LD 559 599 TX DAN 5? 5W
0116 VE5VA 559 559 SK PETE 46 5W
0123 W9UQB 579 579 AZ MIKE 413 5W
0127 KU7Y 589 599 NV RON 17 5W
0131 VE3JC 349 559 ON JOHN 734 5W
0138 K5ZTY 579 559 TX BILL 473 5W
0144 N1TP 559 339 FL TOM 17 5W
0149 WA9PWP 559 579 WI PAUL 127 5W
0152 VE6EWM 589 569 AB EARL 1076 5W
0156 KF4AR 349 559 SC RICK 402 5W
0207 W5TB 459 559 TX DOC 673
0230 KI0II 459 599 CO RON 928
0240 AI4CW 559 339 AL DON 1630 (how did we manage that qso, don?)

Thanks again and I'll sign it this time!

Mary <><wn6hyx

Date: Thu, 10 Dec 98 21:43:14 -0500
From: Chuck Adams <adams@ticnet.com>
To: Chuck Adams <adams@ticnet.com>
Cc: qrp <qrp-l@lehigh.edu>
Subject: [27086] Re: Elmer205: Part 1 - SPICE introduction and Lab 1
Message-ID: <199812110340.WAA37102@nss4.cc.Lehigh.EDU>

OK, make that

<http://ftp.demon.co.uk/pub/ibmpc/win95/apps/emulators>

It was bound to happen. Couldn't read my own handwriting.
Sorry about that.

I caught it first. :-)

--

Chuck Adams K5FO adams@ticnet.com CP-60
<http://www.ticnet.com/k5fo>

Date: Thu, 10 Dec 1998 19:47:21 -0800
From: "Ivan Dubinsky" <ivand@mountain-inter.net>
To: <qrp-1@Lehigh.EDU>
Subject: [27087] Re: My 160 meter "slinky"
Message-ID: <001f01be24b8\$fff85600\$a15ff4cc@ast>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello to the list,

Further to my posting regarding "Antennas & More" and that they carry the slinky antennas, I've located their web site in case anyone cares to have a look at this unique antenna. The site's URL is <http://www.antennasmore.com/> and the page on which the slinky antenna can be viewed is <http://www.antennasmore.com/helitrix.htm> . They have a number of products that may be of interest to qrp'ers. Well worth a look, IMHO.

Best 72/73
Ivan Dubinsky
VE8ID/VE7
Pemberton, BC
Canada

Date: Thu, 10 Dec 1998 23:14:11 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: k5zty@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [27088] Re: FOX: re: WN6HYX
Message-ID: <36709C13.93BE57A5@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bill, when you caught Mary's ear very early in the hunt (as usual) you were the loudest QRP signal I've heard all evening.

Doc was just a little weaker in N.D.

Kevin, N2T0, was not nearly as loud as he was during his first time as the FOX. Very few hunters have strong signals into Florida this evening. Band conditions were unusually poor.

Regards, Tom, N1TP.

k5zty@juno.com wrote:

> I got to work Mary the foxen tonight. I was busy foxing around last night
> when you other guys worked her. I see what all the glowing remarks were
> about now. She's a good op!
> Thanks for the 'Q' Mary, hope to work you again soon.
> 72,
> Bill, K5ZTY
> Houston, TX
> k5zty@juno.com
>
>
> -----
> You don't need to buy Internet access to use free Internet e-mail.
> Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
> or call Juno at (800) 654-JUNO [654-5866]

Date: 10 Dec 1998 22:18:00 -0600
From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-l@lehigh.edu
Subject: [27089] Removal of sticky labels, etc.
Message-ID: <n1298794193.48354@msmailgw1.arlut.utexas.edu>

The WD 40 is used here for removing calibration labels by our Techs.

But also, for larger labels that are "permanent", and for foil labels, I find that a heat gun, (hair dryer) is a fine tool. You heat the whole top of the label rapidly, then start at one end, and heat that, while using a flat tool, Xacto blade, etc. to lift a corner and start peeling or pushing the label off the surface. Continue to sweep the heat gun output side to side against the underside of the label at the interface of stickum and panel, and the thing

will peel off with your tool's help without leaving much residue. A finger easily finishes rolling up the glue.

The reason Williams shaving lotion does the job as well is the alcohol it contains, and isopropyl can be used without harm to most plastics.

Alcohol and a cotton swab is also a fine cleaner for the surfaces of ham gear that has accumulated grime or grease. Inside of old tube rigs you often find a grimey residue that is cut by the alky.

For outer surfaces, I try to blow off dust, then use water on a swab to avoid any damage to paint, crinkle finish etc. Use care if using cleaners like 409, or similar, and test an underside of cabinet area for whether the chemical you might use has an adverse effect. Plastics are easily marred by Acetone and some other strong solvents.

A good rule of solvents is start with the universal solvent first, and then those least aggressive. That universal one is water. A mild detergent can be useful in cleaning as well.

Watch out on homebuilt or kit panels that might have water soluble decals for control legends and labeling. You can clean around those with a damp swab, but not over them except at peril.

72, Stuart K5KVH

Date: Thu, 10 Dec 1998 23:19:46 -0500
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [27090] FOX: N2T0
Message-ID: <199812110421.XAA79934@pimout4-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey gang,

Wow, I really wished I could have worked more stations tonight (I think 35 on the paper log). Not to sound whiny or make excuses... conditions were tougher tonight than last time out for me.

Seemed like everyone was in the noise from the get to. I just tried to listen between the noise. Noise level at S7 on the "loose" TS-520SE s-meter. I think I need a DSP filter for Christmas, and should invest in an IF filter for my IC-728!

Thanks to everyone who worked me. I appreciate it.

72 Kevin N2T0
Brooklyn, NYC
kfglynn@prodigy.net

Date: Thu, 10 Dec 1998 23:35:23 -0500
From: "Todd Carpenter" <carpentt@citrine.indstate.edu>
To: "qrp-L" <qrp-l@Lehigh.EDU>
Subject: [27091] Slinky antenna Info
Message-ID: <4CAE2E5354B@citrine.indstate.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

OK , i found the article that i built mine from. It is a really cool article. I have no idea how it will work at qrp levels, (but then again, i hate being told no) but its a good idea and worth a try. It is from October 1974

QST. Page 22. the article is by Arthur J Peterson, W7CZB. (I have no idea if this guy is still around or if he still has that call.) I think the article was actually typed by the editor, but its still Mr. Peterson's work. It does require a transmatch to work. It uses 6 slinkys soldered together (3 per side of the diapole) and an unspecified length of 300 ohm feed line. His diagram suggests that the feed line is at least as long as the height of a normal room. The slinkys i have are longer in length than the ones he used so it might work on 160 meters if you want to add some "fire to the wire." A word of warning however, "DANGEROUSLY HIGH RF VOLTAGES CAN APPEAR AT THE OUTER ENDS OF THE ANTENNA." Be sure to keep them out of harms reach. BTW he recommends using the "Ultimate Transmatch." See July 1970 QST. Anyway. If i can get mine on the air i will let you all know how it works. 73 and good luck. Todd. N9YSQ

Date: Thu, 10 Dec 1998 23:33:25 EST
From: Macstein@aol.com
To: qrp-l@Lehigh.edu
Subject: [27092] FOX : Mixed night
Message-ID: <ea16c77e.3670a095@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Content-Transfer-Encoding: 7bit

Well, this is the first time I was able to get on the air for the full time and not get a fox. BARELY heard Mary, the N/T fox and couldn't pull enuf of Kevin out to keep up with the QSY's (grin). Found the pack three times, but QSO's real close seemd to bother me more than usual tonight. I can count on Tom, Jim and Fred to keep Florida in the logs though. (I just don't remember other Florida Fox hunters -- sri.)

So, I took a break from the noise (S10+ noise here -- hope the parts come in for the DSP project!), and casually shot my call out to N3YWQ, Steve, QRO in PA and when we finished, heard a tailender seeking my /QRP. It was Andy, F3NB, nr Toulouse, France. Cool. We chatted for twenty minutes (trying to get him to believe I was on an attic dipole!) Then when we signed, the pile up followed -- and he invariably went to the WEAKEST signal. Cool -- again. Then Bill, VE3AR in Toronto grabbed me with a very neat sounding cf zepp. Is it just me or do loops and zepps just SOUND different?!?! The neatest sounding sig is a Ten Tec Argo or Corsair on a loop.

Anyway, a mixed night, no fox but fun. 'scuse the rambling -- I better go read my "nils" folder.

-MAC-
KF4KSM

Date: Thu, 10 Dec 1998 23:42:22 -0500
From: wn6hyx@qsl.net ()
To: qrp-l@Lehigh.EDU
Subject: [27093] foxii thanks
Message-ID: <199812110442.XAA07761@ns1.qsl.net>

Hi Everyone,

Well, I've had my coffee and cinnamon roll and feel much better. Just wanted to thank you all again for being so patient and hanging in thru the qsb and qrm and tuning up and I'm ready to be a hound now! Hope you all have a great weekend. Is foxen the y1 version of fox?!?!?!?

72
Mary <><wn6hyx
QRP-L 1779

Date: 10 Dec 1998 23:13:35 -0600
From: "rohre" <rohre@arlut.utexas.edu>

To: qrp-1@lehigh.edu
Subject: [27094] Operating reference, every shack
Message-ID: <n1298790831.48859@msmailgw1.arlut.utexas.edu>

Hello,

Many queries listed here repeatedly, and especially over the last year, are contained in the 1997 Operating Manual from ARRL. I just got this newer edition, and was struck by how many things folks have been asking this list about, are all there in one easy to find format.

This edition, besides reference materials on contests, awards, QRP organizations, DX, etc. has a pull out booklet like the old Operating Manual of the mid 50's that has all the most common needs, like CQ zones, ITU zones, call prefixes world wide, Q sigs, etc. I always have trouble remembering the CQ zones, and was amazed that a "competing" magazine organization, (ARRL), was publishing them along with the other standard operations reference materials, since they are specific to the CQ magazine contests. But that is to the good of amateur radio!

The book that has all this and is the size of a telephone book and still only \$20, which is a bargain since it is about the content of the Amateur Radio Handbook in words. It is available direct from ARRL or the several amateur radio bookstores run by the magazines, or on the Web.

You will find info on satellite operations, RTTY, other modes; and this is one stop shopping when it comes to anything about operations procedures, contesting for the general interest ham, etc.

The only downside, is that the QRP info is dated and not complete with all regional clubs. NorCal and ARCI should see if they can update ARRL about themselves, as should other regional groups. Indeed, are the Michigan QRP dues still only \$6? with a magazine? Of course, this is a problem with all printed media, keeping it up to date when we have recently had changes in who handles the memberships for various groups like both QRP-ARCI, and G-QRP in the USA.

The Operating Manual is a bit like the handbook: except for the contact person info, the basics stay mostly the same year after year, and thus one should last you about 10 years. The existence of this book, like the Handbook, should be made known far and wide, and even be a question on the license exam for every class. I get the impression we have a vast number of newer hams, who are unaware of the tremendous resource books in the ARRL publications: The Handbook, Antenna Book, Operating Manual, License Manual, Rules Book, etc.

When the Learning the Radiotelegraph Code was only 25 cents, as were several other of the basic books, maybe they were better known and distributed to prospective hams. Back then, the Handbook was perhaps \$5 or less. Recently I

was lucky to find a wartime edition (1942) of the Handbook which I think originally sold for \$1, and there is good basic information in there which could be used today to build a vintage QRP rig.

Thus, the Web is not everything there is to know. It is not even the most accurate place to get information. It is a tool, but books are basic; and any radio amateur who is in it for the long haul should never pass up the books at a hamfest or convention. As Chuck says, "You can't have too many books!"

And just to give credit to other classic Amateur Radio books that are not ARRL, I like to rave over the RSGB Handbook, and the sadly missed Radio Handbook, that W6SAI edited for many years. And let us not forget the ITT originated "Reference Data for Radio Engineers", which later was taken over by Sams Publications, who were in turn bought by McGraw Hill I believe. The classics by F. E. Terman, Henney, and others come to mind and are found in old book stores. All of these may give the learner a fresh look at the basics from a time when the tools were not so fancy as today. For understanding of electronics servicing and trouble shooting, anything by Bernard Grob or John Lenk will prove helpful. There are more, but everyone has their favorites. Look over what is out there, buy several, and keep on the watch for more. Your construction will improve, your repairs will be efficient and you will improve your operations.

72, Stuart K5KVH

Date: Fri, 11 Dec 1998 01:14:59 -0500
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [27095] 409
Message-ID: <3.0.32.19981211011456.006dc640@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Stuart, K5KVH mentioned that one should use care in using 409 cleaner and I second that. The chemist experts in the group can no doubt explain better but as I understand it, the cleaner has "sites" to scavenge grease and that makes it somewhat conductive. Back in the olden days I used it to clean the bakelite base of my J-38 key and my Viking Navigator (which had grid block keying), keyed continuously. After the usual fumbling around I discovered that the bakelite conducted enough current to key the rig. Repeated washing did not cure the problem and the base had to be replaced. Over the years I've only met a few techs who knew about this effect. I do use it on grimy panels with a rag but never near circuit boards. One tech did mention that it is a good way

to lobotomize your C-MOS, for whatever purpose.
72+or-1 Pete W4VCT

Date: Fri, 11 Dec 1998 00:37:57 -0600
From: Lee Bahr <bahr521@earthlink.net>
To: plburbank@kih.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27096] Re: 409
Message-ID: <3670BDC5.A7C723C3@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

409 also affects some paint. Put some 409 on the Maroon paint of an E.F. Johnson front panel, and see what happens! 409 is great if you don't get it near certain paints and you can flush it off after cleaning. Lee Bahr w0vt

Pete Burbank wrote:

>
> Stuart, K5KVH mentioned that one should use care in using 409
> cleaner and I second that. The chemist experts in the group
> can no doubt explain better but as I understand it, the cleaner
> has "sites" to scavenge grease and that makes it somewhat conductive.
> Back in the olden days I used it to clean the bakelite base of
> my J-38 key and my Viking Navigator (which had grid block keying),
> keyed continuously. After the usual fumbling around I discovered
> that the bakelite conducted enough current to key the rig.
> Repeated washing did not cure the problem and the base had to be
> replaced.
> Over the years I've only met a few techs who knew about this
> effect. I do use it on grimy panels with a rag but never near
> circuit boards. One tech did mention that it is a good way
> to lobotomize your C-MOS, for whatever purpose.
> 72+or-1 Pete W4VCT

Date: Fri, 11 Dec 1998 00:45:13 -0600
From: "Rud Merriam" <rmerriam@csi.com>
To: <wn6hyx@qsl.net>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [27097] Re: Foxii log
Message-ID: <01e801be24d2\$bb307600\$6a7b9ad1@sisyphus>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just wanted to mention that I copied you here in Houston. I've only a tech license so can't be a fox or hound yet. But listening helps with the code.

I had a novice license back in the mid-70s. Only did a QSO before moving and family issues squelched that effort at getting permanent license. [Novices were temp licences back then and non-renewable.] But that dahdidahda dahdahdidah dahdidit dit didahdah dahdit brought back memories. Call then was WN2GXA changed to WA2GXA when the FCC dropped the N tag for novices.

Rud Merriam KD5DTV
rmerriam@csi.com

Date: Fri, 11 Dec 1998 01:53:33 -0500
From: "Ed Tanton" <n4xy@mindspring.com>
To: <aa5tb@swbell.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [27098] RE: Soldering Skills-Uh-oh!!!
Message-ID: <007a01be24d2\$f80f31b0\$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Uh-oh!!! I have to comment on this Steve. That WAS indeed the philosophy 10 and more years ago, but it has changed. The solder joint itself IS strong enough for the size wires and small leaded components we use today.

The amount of trouble getting a well-wrapped component lead off/out of a joint often damages the remaining components. I know this will start one going, but I agree, philosophically with it, and have TRIED very hard NOT to be AS PHYSICAL as I was taught/learned over the years. It has been difficult to unlearn the mech-strength principle, but tell me why a wire simply stuck through a switch lug and soldered well gains anything from being wrapped around it several times-even one time-and then being soldered. Wrapping around the lug is strength you do not need-and trouble if you have to remove it.

If you think about it, when have you seen a problem after a GOOD solder job? I have NEVER seen a properly soldered component come loose. I have seen components pull pc board traces up. I have seen wires break off from flexing where they enter the lug-but no amount of mech strength through wrapping the wire around that lug is going to change that flexing break.

Whereas, if you need to change the wire, it is going to require unwrapping the wire, and-in days past-I have damaged my share of switch lugs and things getting the turns off-no matter how careful I was. Too much flexing of the lug, and crack! It just is overkill, period. Not to mention the extra heat required by multiple soldering to get extra turns/etc. off/out.

One 3/4 "C" around (the bare wire goes 3/4 of the way around the lug, as opposed to a complete round, or more) any lug is plenty, and a simple straight wire through any lug/hole is enough. If you have soldered properly, you have no need for mech strength on non-flexing wires/situations, period.

Date: Fri, 11 Dec 1998 00:09:16 -0800
From: "Bill Todd" <bill@willapabay.org>
To: <nwq-1@scn.org>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [27099] Not QRP - Picking up cable TV on my TV antenna
Message-ID: <002a01be24dd\$8ff93980\$2b4ffbce@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello group -

This is sort of SWL-related, so it sorta fits here (like just about everything else short of political and religious discussions..ha ha).

We have a cable TV system in my small town. The system carries maybe 23 different channels, including the local Seattle stations, CNN, WTBS, A&E, TNN, etc.

Anyway, when I tune the TV set to channel 11 through channel 23, I can pick up most of these cable stations through my directional TV antenna. What I am thinking is that somewhere in my general area I am picking up some RF leakage through a bad cable amplifier on a telephone pole, or maybe I am getting the signals through a poorly shielded cable "box" on top of a neighbors' TV set.

In any event, I get free "cable" service as long as the cable company doesn't fix their system.

Call me cheap, but it IS kind of fun.

CU - Bill-N7MFB
<http://www.willapabay.org/~bill>
ICQ me @ 8926298

Date: Fri, 11 Dec 1998 03:35:16 EST
From: we6w@juno.com (Ed Loranger)
To: kfglynn@prodigy.net
Cc: qrp-1@Lehigh.EDU
Subject: [27100] Re: FOX: N2TO
Message-ID: <19981211.002517.4399.3.we6w@juno.com>

Howdy Kevin et. al. Boy, I had a ton of shots at you tonight but your QRN situation there explains it.

A few times you were WaaaaY up to about 549. Most of the time it was 229. At the very end with about 10 minutes to go I started getting excited. Your signal came up to 339 about 80% of the time, and I heard you work Bruce/VE5RC with 5 minutes to go.

It seems I was hearing everyone tonight. Even Gary AB7MY was there for a bit. It was kind of like walking into a busy restaurant and hearing familiar names.

I just wish I could have had dinner too!
-Ed
72, Ed WE6W QRP-Z#106 <http://www.qsl.net/we6w>
Enjoying Ham Radio every day! Santa Rosa, CA.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 11 Dec 1998 05:09:18 -0500

From: "JEFFREY MICHAEL POULIN" <jpoulin@erols.com>
 To: <qrp-l@lehigh.edu>
 Cc: "Doc Lindsey/K0EVZ" <70511.3041@compuserve.com>
 Subject: [27101] N/T+ fox: final log from KF4JSV for 12/8
 Message-ID: <199812111059.FAA15006@smtp1.erols.com>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=ISO-8859-1
 Content-Transfer-Encoding: 7bit
 Content-Transfer-Encoding: 7bit

TIME	CALL	NAME	STATE	RST(H)	RST(F)	QRP-L#	POWER
0103	N5TW	TOM	TX	449	559	1474	5W
0107	K0EVZ		DOC	ND	449	559	861
0109	K5ON	DON	NM	339	569	770	5W
0115	N1TP	TOM	FL	339	569	1317	5W
0120	VE5VA		PETE	SASK	449	559	46
0129	NQ7X	FLOYD		AZ	449	559	343
0155	KF4KSM	MAC		FL	469	569	704
0205	WB0QQT	STEVE		NE	449	359	856
0213	KA0GKC	CLA		MN	449	559	719
0231	AE4IC		BOB	NC	339	549	54
0245	K3TRM		FRANK	VA	559	559	NONE
							10W

My last contact, Frank, is a buddy who lives about 10 miles away. He heard me calling and couldn't resist answering. 10 watts is the lowest his rig will go easily, but I might be talking him into trying a QRP only rig for next year <G> Wish I could have heard Mary, since her signal was hitting the East coast. Maybe next time she's on.

72, de Jeff/KF4JSV QRP-L # 743
 Manassas, VA

 Date: Fri, 11 Dec 1998 07:18:34 EST
 From: Chas1c@aol.com
 To: qrp-l@lehigh.edu
 Subject: [27102] HW-9 transmit problem
 Message-ID: <765f1086.36710d9a@aol.com>
 Mime-Version: 1.0
 Content-type: text/plain; charset=US-ASCII
 Content-transfer-encoding: 7bit
 Content-Transfer-Encoding: 7bit

While attempting to load a random wire, I apparently damaged the finals on my HW-9, as it will not transmit on any band. Would appreciate help on how I can

check this out, and information on where I can buy the MRF 237
Thanks, Chas

Date: Fri, 11 Dec 1998 06:30:32 -0700
From: "Steve/n0tu" <n0tu@webaccess.net>
To: <rmerriam@csi.com>
Cc: "QRP-L" <QRP-L@lehigh.edu>
Subject: [27103] Re: Sittin' -n-watchin'
Message-ID: <003401be250a\$707ea040\$88a8a3cc@S&P.www.webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey Rud,

Come on in ...the water is GREAT FUN! Just sitting on the beach of
life watching is fun in of it's self and maybe OK for some folks...but
man the REAL FUN starts when you get on the air! Just think about
t - when you press that key down your antenna lanuches a signal
that's heard around the country (world depending on cndx) - no
internet or ISPs ..nothing! Just the magic of oscilators and RF! And
other kindred spirits out there somewhere who can do the same can
respond to your call and the fun goes on from there Just do it
man! ...don't just sit there! Join in!

Ok Ok, granted you need to take the time to get past the code test but
with a little effort, time and patience you can master it! It ain't
too awlful hard. Besides the rewards never stop just ask anyone here
if they regret getting into HR. Ok, some may "Oh yeh, it's cost me a
fortune in time and money" Ok, but did they enjoy it and have fun -
why are they grinning from ear to ear! huh?

Come on! Jump in ...the water is Great! and there's plenty strong
swimmers around here to keep from drownin'

....what 'ya waiting for?

(Now, if you want to wait till they drain the water then you'll miss
the real opportunity and never know what FUN swimming could have been.
eh?)

TU & 72Steve/n0tu Monument,CO
<http://www.webaccess.net/~s&p/HRindex.htm>
-----Original Message-----

From: Rud Merriam <rmerriam@csi.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Thursday, December 10, 1998 11:45 PM
Subject: Re: Foxii log

>Just wanted to mention that I copied you here in Houston. I've only a
tech
>license so can't be a fox or hound yet. But listening helps with the
code.
>
>I had a novice license back in the mid-70s. Only did a QSO before
moving and
>family issues squelched that effort at getting permanent license.
[Novices were
>temp licences back then and non-renewable.] But that dahdidahda
dahdahdidah
>dahdidit dit didahdah dahdit brought back memories. Call then was
WN2GXA changed
>to WA2GXA when the FCC dropped the N tag for novices.
>
>Rud Merriam KD5DTV
>rmerriam@csi.com
>
>
>
>
>

Date: Fri, 11 Dec 1998 09:09:08 +0000
From: Michael Neverdosky <MichaelN@cycat.com>
To: qrp-1 mailing list <qrp-1@Lehigh.edu>
Subject: [27104] Re: Georgia on my mind
Message-ID: <3670E134.56044468@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

N6CHV is in Florida and N4CHV is in California.
Balance is good.
:-))

michael N6CHV

ccart@dns.vidtel.com wrote:

> NF3I moved from MD to OR, and KL7IXI goes from WA to GA, the QRP world is
> still in balance :)

Date: Fri, 11 Dec 1998 08:24:46 -0600
From: Pete and Ros <peteros@home.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27105] Re: Elmer205: Part 1 - SPICE introduction and Lab 1
Message-ID: <36712B2E.522A143@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Chuck:

The ftp address should be plural :-) as follows:

ftp://ftp.demon.co.uk/pub/ibmpc/win95/apps/emulators

> spice3.exe

For those of you with slower modems, this is nearly 2Mb. Put the coffee
on :-)

73 de Pete

Date: Fri, 11 Dec 1998 08:30:05 -0500
From: W5TB <w5tb@SoftHome.net>
To: wn6hyx@qsl.net, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [27106] Re: foxii thanks
Message-ID: <v04011708b296ce74425f@[10.4.199.225]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:42 PM -0500 12/10/98, wn6hyx@qsl.net () wrote:

>Hi Everyone,

>

>Well, I've had my coffee and cinnamon roll and feel much better. Just
>wanted to thank you all again for being so patient and hanging in thru the
>qsb and qrm and tuning up and I'm ready to be a hound now! Hope you all

>have a great weekend.

You're welcome mary es tn timer for the QSO! You did a great job.

>Is foxen the y1 version of fox?!?!?!?

According to my Funk & Wagnel Female foxes are called vixens.

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@softhome.net <http://www.qsl.net/w5tb/>
QRPARCI # 3252 NORCAL #1002 QRP-L #673 FISTS # 5365
ARRL Life Member

Date: Fri, 11 Dec 1998 09:33:45 -0500
From: "Dan Romanchik" <danr@izzy.net>
To: <qrp-l@lehigh.edu>
Subject: [27107] Slinky antennas for sale
Message-ID: <01be2513\$41ff2880\$b0b59ecf@danr.izzy.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

My former boss, and present client, Jon Titus, KZ1G, used to own the patent on Slinky antennas and still holds the trademark, "Slinky Dipole." When I mentioned that this list had shown some interest in the antenna, here's what he had to say:

Thanks for asking. I have enough coils, center insulators, rope, and co-ax connectors to make up some kits for people, although I haven't been actively advertising the antennas for years. I still own the Slinky Dipole trademark; the patent expired a few years ago. I'd be pleased to make up kits for anyone who wants one for \$30, plus \$4 for shipping. That includes the parts noted above plus instructions.

A lot of people think they can use regular Slinky toy coils, but they are only a few inches in diameter. The special coils we use are 4" in diameter, specially made for the right L-C loading so the

antennas

fit in a very small space. The toy coils take up a lot more space
for

the equivalent antenna. You CAN get an 80-M dipole in about 30
feet of space. Also, if people have questions, they can drop me a
note at harrowsmith@mediaone.net. My postal address is:

Jon Titus, KZ1G
36 Sunset Drive
Milford, MA 01757-1362

73, Dan KB6NU

=====
Dan Romanchik
Freelance Writer and Web Site Designer
phone and fax: 734-930-6564
email: d.romanchik@ieee.org, web: http://qtb.com/danr/
=====

Date: Fri, 11 Dec 1998 09:27:53 EST
From: Robsparks@aol.com
To: qrp-l@lehigh.edu
Subject: [27108] Thursday Dorsey in a-rears
Message-ID: <a9f5c2f4.36712be9@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Thursday

Date: Fri, 11 Dec 1998 08:14:21 -0600
From: Conard Murray <ws4s@infoave.net>
To: kfglynn@prodigy.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [27109] Re: N2T0
Message-ID: <002f01be2510\$8c515f00\$0a2a9595@ece.tntech.edu>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Kevin and the list,
I listened to the chase for an hour or so last night. You never got above a

whisper here in TN before you faded completely out around 0315Z. I got a notice on the 6M list about an aurora opening last night and that jives with what I heard on 40. N1TP in Fla was loud as were most signals from the west or the south. North was impossible. I did hear Mary on 7.110 with a great signal, but I lost her when she said she was going to QSY somewhere else. A good night to work on the stamp collection!

73,

Conard, WS4S

Date: Fri, 11 Dec 1998 06:19:53 -0800
From: "Radman" <radman@best.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [27110] Slinky source...
Message-ID: <199812111417.GAA08953@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

The original Slinky and Jr Slinky (both metal) can be ordered on-line from The Toy Box, 108 South Market Street, Ligonier, PA 15658-1205. URL:
<http://www.toyboxligonier.com/tbx/slinkytoys.html>

Or phone orders to: (724) 238-6233 -- they take plastic.

Original Slinky = \$2.50
Junior Slinky = \$1.50

Did you know that over 250 million Slinkys have been sold since their invention in 1945? (Wonder where they all went?)

Happy antenna building :-)

72 - Conrad Weiss - NN6CW

Date: Fri, 11 Dec 98 08:47:51 -0500
From: Chuck Adams <adams@ticnet.com>
To: qrp <qrp-1@lehigh.edu>

Subject: [27111] Elmer205: SPICE online at LEHIGH.EDU
Message-ID: <199812111446.JAA50572@nss4.cc.Lehigh.EDU>

Gang,

Thanks to Jim, N3VXI, we now have the software in the US and online at LEHIGH.EDU. Here is the info that you need and this should be faster than the overseas paths in most cases.

FTP path:

ftp://ftp.lehigh.edu/pub/listserv/qrp-l/tools/spice3.exe
ftp://ftp.lehigh.edu/pub/listserv/qrp-l/tools/spice3.txt

FYI

--

Chuck Adams K5FO adams@ticnet.com CP-60
<http://www.ticnet.com/k5fo>

Date: Fri, 11 Dec 1998 15:10:44 +0000
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: foxes@theriver.com
Cc: qrp-l@lehigh.edu
Subject: [27112] Re: Help! Trouble Soldering DIN Connectors
Message-ID: <367135F4.B292B3A5@uiowa.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

hi andy,

I've recently started doing an alternative method for DINs, mini-DINs, DB9s, and DB25s that can be used in most (but not all) cases. I buy a reasonable quality jumper cable with the proper connector on one (or both) ends, and cut the cable in the middle (or off-center depending on the need). Using an audible continuity tester (or ohmmeter), i write

down which color conductor is going to which pin.

Advantages: Often cheaper than buying decent quality connectors only.
Definately faster.
Don't have to worry about finding appropriate cable.

Disadvantages: Doesn't work for chassis mounting (unless you're willing
to have the connector dangling by a stretch of
cable.

Not good if you have conductors already soldered to the
'other' end - and you don't want to desolder those.

72/73,
--adam, ak0p

Adam B. Kanis, AK0P
adam-kanis@uiowa.edu QTH: Wellman, IA (Near Iowa City) EN41ck
--- ARRL:RSGB:QRP-ARCI:GQRP:QRP-L:NorCal:Iowa QRP:SEITS ---
** On the web at <http://genome33.ped-gen.uiowa.edu/hamradio> **

Date: Fri, 11 Dec 1998 05:45:23 -0700
From: kv7g@juno.com
To: ku7y@dri.edu
Cc: qrp-l@Lehigh.EDU
Subject: [27113] Re: Field Antenna Idea
Message-ID: <19981211.060658.3902.0.kv7g@juno.com>

Ron

You are about 40 years too late with your idea, I believe it was
Hy-Gain that sold one of these many moons ago. I don't know how they
worked as I never used one but they sold a lot of them.

Bud - KV7G - Yuma, AZ

>How about taking a metal 100' tape and using two of those?
>You would just walk out however many feet you wanted.
>
>Simple clip leads to connedt to the feed line?
>
>OK, back in my hole....
>
>73, Ron, SOWP 5545M,
>
>.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
>....ku7y@sage.dri.edu.....Washoe Lake, Nevada....

>....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

>

>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 11 Dec 1998 09:13:10 -0600
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: n4xy@mindspring.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [27114] Re: Soldering Skills-Uh-oh!!!
Message-ID: <36713686.4843406C@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I don't totally disagree with you, especially when talking about surface mount technology. It's just my professional bias (brain washing) leaking through. Let me explain.

In regard to lugs, when I said mechanical connection I generally meant greater than 180 degree wrap but less than 360 degrees with no gap between the wire and the terminal. I think it is our definition of a mechanical connection that may differ (I didn't think anybody still wrapped wires several times around a post). We may be saying the same thing!

As far as damage during repair, that all depends on the skill of the assembler. I guess I've also been somewhat brain washed since I solder professionally and I have to pass several rigorous soldering tests each year. I used to spend 10 hours a day constructing electronic equipment for the military. I'm a RF engineer now but STILL I must keep up with soldering training if I plan to ever pick up a soldering iron. I think some of our differences may stem from the fact that my soldering has to survive a 10 G environment and must pass the inspection of QC personnel with microscopes.

You say you have never seen a GOOD solder joint (no mechanical connection) come loose. Put it in an environmental chamber (or a QRP'er's back pack) and see how it performs. You will then know if it was a good solder joint. Solder alone can't withstand any repetitive stress for very long. I agree that if it was a cold solder joint to begin with

it won't stand it at all.

I have to agree that for prototyping home brew projects a simple touch connection is probably fine since you may be making a lot of changes. You just often can't get away with that professionally.

By the way, I believe that a microscope "is a cracking test of one's soldering skills". Proper wetting of the solder and the ability to see the contours of the wires and components is essential (Hint: use lots of flux).

I know many people will disagree with me (you're building QRP gear, not F-16's). That's what is nice about ham radio. You can do things the way YOU want to do them.

73,
Steve Yates
AA5TB
aa5tb@swbell.net
<http://home.swbell.net/aa5tb/>
Fort Worth, Texas

Date: Fri, 11 Dec 1998 07:19:03 -0800
From: Bill Jones <kd7s@psnw.com>
To: qrp-l@lehigh.edu
Subject: [27115] More info on my classroom soldering
Message-ID: <367137E7.76C42F52@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Okay NorCal people, here is some additional information on my classroom soldering test.

It really helps if the 4" pieces of #18 wire are perfectly straight. I begin by cutting a length of wire 3-4 feet long and stripping the plastic insulation. I put one end in a vise and hold the other end with a pair of pliers. I pull on the wire until I feel it stretch slightly. It goes limp and is very straight. It is from this that I cut the individual 4" lengths.

I encourage my students to clean the ends of each wire with a little steel wool just prior to tinning. By tinning before soldering the ends together, my students always end up with a bright, strong joint.

Just for show-'n-tell, I also solder a couple pieces of tarnished (or oxidized) wires together with insufficient heat to show them what a cold solder joint looks like. They are amazed at the difference, especially when they can easily pull the wires loose. They can't do that with a properly soldered joint.

By the way, I think I know what Doug Hendricks has as prizes for the soldering contest at the January NorCal meeting. Trust me when I tell you.....start building wire cubes right now.

--

=====
Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s>
=====

Date: Fri, 11 Dec 1998 09:19:24 -0600
From: "Jeff M. Gold" <JGold@tntech.edu>
To: QRP-L #98 <qrp-l@lehigh.edu>
Subject: [27116] A sign?
Message-ID: <003a01be2519\$a2a0a640\$4d0b9595@Jeffro.cc.tntech.edu>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

well was thinking of selling my HW9 setup. Got on 30 mtrs this am. Worked an 86 year old gentleman. We both were on HW9s, both with G5RVs, had a great QSO, his rig sounded great.. he reported same. Good tone, no drift, good break-in. Part of the QSO consisted of him telling me how long he has had his, how much he likes it and how he would never sell it. Maybe my rig is really trying to tell me something, maybe its possessed, or maybe it is Friday.

Date: Fri, 11 Dec 1998 07:39:05 -0800
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: <n4xy@mindspring.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [27117] RE: Soldering Skills-Uh-oh!!!
Message-ID: <000001be251c\$62d08fa0\$a505b2d1@rmccarty.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

I agree with you Ed. A good solder connection doesn't need mechanical strength whatsoever. Some will argue that many problems in newer sets are directly a result of "Cold" solder connections that develop over the years however, it is my experience that these problem connections start at the factory ie., the connections were faulty albeit acceptable, from the time of manufacture. Robots are faster, but not necessarily better. "Flow" or "Bath" techniques practically ensure the proper conditions necessary for a cold connection. A homebrew environment, where YOU have complete control over the assembly/soldering process, can assure perfect solder connections without the need for mechanical strength.

Additionally, the need for multiple wrappings around lugs, originated from the manufacturing process when we used people on an assembly line. It was intended as added insurance for sometimes less than perfect assemblers.

Roger KD6CC

```
> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Ed Tanton
> The solder joint itself IS strong
> enough for the size wires and small leaded components we use today.
>
> The amount of trouble getting a well-wrapped component lead off/out of a
> joint often damages the remaining components.
>
> If you think about it, when have you seen a problem after a GOOD
> solder job?
> I have NEVER seen a properly soldered component come loose.
```

```
-----

Date: Fri, 11 Dec 1998 07:42:36 -0800
From: "Bill Todd" <bill@willapabay.org>
To: "Ron Smith" <resmith666@uswest.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [27118] Re: Not QRP - Picking up cable TV on my TV antenna
Message-ID: <003001be251c$e16a3aa0$274ffbce@default>
MIME-Version: 1.0
Content-Type: text/plain;
    charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
```

Content-Transfer-Encoding: 7bit

>Any way, back to the point... Enjoy the FREE cable while you can. They
will
>find their problem one day and if Murphy has anything to do with it, they
will
>fix it in the last 15 minutes of a 3 hour special movie. :-)

Right you are. I shouldn't depend on this "freebie" situation for long, but
now I have to put a rotor on the TV antenna so I can see if I can pick up
even more free stations in different directions around town.

CUL, Bill

<http://www.willapabay.org/~bill>

ICQ me @ 8926298

Date: Fri, 11 Dec 1998 07:45:16 -0800
From: "Bill Todd" <bill@willapabay.org>
To: "Pete and Ros" <peteros@home.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [27119] Re: Not QRP - Picking up cable TV on my TV antenna
Message-ID: <003701be251d\$409d9120\$274ffbce@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>I assume you have a 2m rig. Have a listen on 145.25 Mhz. Even on an FM
>only rig, you'll find that there appears to be a carrier there. With a
>SSB/CW capable rig you can hear a permanent carrier. It's the video
>carrier for cable channel 18. If you had cable service you could tune
>your TV to Ch. 18 and transmit anywhere on 2m and watch the video blank
>out!
>
>73 de Pete VE5VA

Interesting idea Pete -

I will check it out. So far, I don't seem to be causing any TVI in the area
"back through" the poorly shielded cable system.

CUL, Bill

<http://www.willapabay.org/~bill>

ICQ me @ 8926298

Date: Fri, 11 Dec 1998 07:56:36 -0800
From: "D.K. Philbin" <dphilbin@thegrid.net>
To: qrp-l@Lehigh.EDU
Subject: [27120] The Spice of life.
Message-ID: <3.0.5.32.19981211075636.007ef6c0@mail.thegrid.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks Chuck!

Just a note for new Win95 users.

As chcuK stated, install spice3 into a winspice directory..

I copied the "netlist" example in chuck's message and pasted it into wordpad. I then saved the file as a text file with a filename I could remember (the short term memory is about gone at this end). I saved the file into the winspice directory along with the examples provided with the spice program.

Upon opening windows explorer it was a simple operation to drag my circuit text file and set it on top of the winspice file icon..and it ran..following chuck's instructions..

This may be a trvial post for the computer geeks out there but I hope it helps the newbies..

Thank you chuck for all of your efforts. They are very much appreciated at this end.

D.K. Philbin KD6TK

Date: Fri, 11 Dec 1998 11:08:08 -0500
From: wn6hyx@qsl.net ()
To: qrp-L@Lehigh.EDU
Subject: [27121] Sittin' an watchin'
Message-ID: <199812111608.LAA10919@ns1.qsl.net>

Hello Rud,

Steve's right on there. It was a real highlight of the night to qso with N0TU/M QRP! Mobile QRP from Colorado...can't do that at 0100 ssb novice! And all the QRP ops I've heard from are the greatest ops around.

72/73

Mary <><wn6hyx

Date: Fri, 11 Dec 1998 08:32:07 -0800
From: "Jim Johnson" <km7h@gte.net>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [27122] FS: Highmound BK-100 bug
Message-ID: <000101be2523\$cd547560\$e5fd2399@km7h>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

You can see a picture at:

<http://www.mtechnologies.com/hk.htm#bk100>

They sell for \$120 new. This one isn't new and not a ten. At some time in the past it had the paddle broken and repaired with epoxy. Looks OK and is not weakened. The clear top has a couple of cracks. It functions fine. Asking \$60.00 shipped 48 states. Make offers or offer trades. Would especially be interested in a single paddle keyer.

Jim Johnson, KM7H
Mukilteo, WA
QRP ARCI #3497

Date: Fri, 11 Dec 1998 12:14:39 -0500 (EST)
From: James Skalski <jskalski@buffnet.net>
To: qrp-1@Lehigh.EDU
Subject: [27123] 40673 FS
Message-ID: <Pine.LNX.4.03.9812111137320.929-100000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

If anyone is interested in owning some of these to build projects from old qst,ARRL handbook, solid state design for the radio amateur...This may be the last opportunity. I have located someone that has a box stashed away.

These are the RCA 40673 N-dual-gate FET

They were featured in articles and used as Rf amplifiers, mixers,if amps, at vhf,and hf. They are rated with a top freq of 400mHz.

I have seen many posts bemoaning the passing of this part and I am excited about being able to locate this box. To get this item to as many people as possible I will limit the quantity to 10pcs per person. There are only one thousand total available. (probably anywhere) I think they are all in this box :-)

Before I get them I need to have an idea of the interest in such an item. They want cash up front from me.

Since there are over 2 thousand readers on the list..it will be first come first served.

The pricing is as follows:

1 piece \$4.50
5 pieces \$4.35 each
10 pieces \$4.25 each

All above plus a couple stamps for posting. I will have to get some padded mailers from Office Maxx. They are about \$.35 each. A buck should cover mailer and postage.

RF parts has a limited quantity of these for \$6.95 each. Before they locate these....*we* should get them.

Do not send money until I respond.I will tell you if you made the A list or standby. If standby I will give you an idea where you stand.

To make it easier please respond to me and not the group. Also use this format in the SUBJECT:

re:40673 quantity= __

73,

Jim N2G0

Happy Holidays to all.

Date: Fri, 11 Dec 1998 09:36:43 -0800
From: Jim Lowman <jmlowman@ix.netcom.com>
To: qrp-1@lehigh.edu
Subject: [27124] Re: thanks do Dave B and Doug H
Message-ID: <3671582B.8C6A1A0F@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jeff M. Gold wrote:

>
> Just wanted to thank Doug H and Dave B. I just received my copy of qrp-p. I
> guess I really didn't pay much attention to the Elmer 101 when it was on the
> list. I took some time and briefly went over the contents of the issue. I
> just wrote out the check and sent off for my SW40+ (I have built one or more
> before). I know some of what is going on inside, but always wanted to build
> a project that would give me a clearer understanding of the inner workings
> of a QRP transceiver.

Thanks from me, as well. I'll admit to filtering the Elmer threads, but
after
reading the autumn issue of QRPP, I'm feeling like ordering one of the
SW kits.
Unfortunately, I also have a backlog of kits to build, including a
Wilderness
Sierra. Will probably buy a K2 kit when they become available, so
better have
a busy winter building kits. :-)

BTW, for those who heard the talk at Pacificon by Professor Rutledge
from Caltech,
or have seen his book, this issue of QRPP follows the same excellent
path to
understanding the design of a transceiver while doing the assembly.
Only difference
is the radio in question; one of the SW series, or the Norcal 40.

72 de Jim - AD6CW

Date: Fri, 11 Dec 1998 12:51:43 -0500
From: "Ed Tanton" <n4xy@mindspring.com>
To: <bill@willapabay.org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [27125] RE: Not QRP - Picking up cable TV on my TV antenna

Message-ID: <005601be252e\$e9b0e440\$01010101@n4xy>

MIME-Version: 1.0

Content-Type: text/plain;
charset="Windows-1252"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Also Bill, they will leave their unused, extra distribution amplifier INPUTs unterminated, and then your neighbors can do the same thing: experience your ham radio signals w/o the necessity of buying one!!!

>

> In any event, I get free "cable" service as long as the cable company

> doesn't fix their system.

>

Date: Fri, 11 Dec 1998 12:00:48 -0600

From: "Jeff M. Gold" <JGold@tntech.edu>

To: QRP-L #98 <qrp-l@lehigh.edu>

Subject: [27126] fox schedule

Message-ID: <006701be2530\$2f0d20c0\$4d0b9595@Jeffro.cc.tntech.edu>

MIME-version: 1.0

Content-type: text/plain; charset="iso-8859-1"

Content-transfer-encoding: 7bit

Content-Transfer-Encoding: 7bit

Hi,

been working way too much. Where is a fox schedule posted?

thanks

72

Jeff, AC4HF

Date: Fri, 11 Dec 1998 13:09:23 -0400

From: "Richard E. Robinson" <rerobins@email.uncc.edu>

To: qrp-l@lehigh.edu

Subject: [27127] Fox: Hound leader board

Message-ID: <v03102800b296f03ff7e4@[152.15.144.71]>

Mime-Version: 1.0

Content-Type: text/enriched; charset="us-ascii"

<fontfamily><param>Geneva</param>Note: This data does not contain any N/T+ Fox logs and only 14 Fox logs. The N/T+ logs will be tallied by another ham and posted at a later date.

This data was compiled from Paul Valko's first leader board that was taken from the first 8 Foxhunts. I then added data from 6 additional Fox logs. I am missing the logs from 5 additional Foxes. If you've been a Fox since November 1st and haven't sent me a copy of your log, please do. I'll try to update the leader board every 2 weeks.

If I've made a mistake, and I'm sure there will be errors, let me know and I'll double check the Fox logs.

I've counted 230 different Hounds since the hunts began. That's really stirring up some activity on 40.

Tally Ho,

Rick kf4ar

THE LEADER BOARD 12/11/98

14 Foxes: Clean sweep of all available logs that I have.

N1FN, N1TP

13 Foxes:

K1MG, K5ZTY, N0AR, N4ROA, NQ7X, VE5RC

12 Foxes:

AK7Y, KB0PTE, KK5LD, KU7Y, WE6W

11 Foxes:

AF5Z, K0EVZ, K2VC0, W5SB

10 Foxes:

K50I, KI0II, N0UR, N5TW, VE3JC, W0CH

9 Foxes:

K10J, K8CV, VE2KN, VE6EWM, W5HNS, WJ7H, WS4S

8 Foxes:

AB7CE, AB7MY, AC5II, AI4CW, K7TQ, KA8OKH, KF4AR, KQ5U, N2ZHY, N5WL,
N8VAR, N9DD, W5TFB, W8SFF, WD8KQY, WS8D

7 Foxes:

K5JHP, K50N, KF4KSM, KI7MN, KS4L

6 Foxes:

AA5TA, AB5UA, K1QM, K5AAR, K5LN, KA4BMK, KC1FB, KG2LO, KU4AF, N2LO,
N3YSI, N5LU, N7MFB, NA1XX, W0RW, W7AQK, W8RU, W00Q

5 Foxes:

AB0G0, AE2T, AK1P, K2SJB, K5UP, KB7MBI, KB9IUA, KF2PH, N0TU, N6WG,
VE3ELA, W4VCT, W5JAY, W8KC

4 Foxes:

AB5WX, AB7TT, AB8DF, K0YO, KD5CMN, KK5WL, N2WF, N4XDW, N5JI, N5JKY,
N7GS, N7X

N8IE, N8VZU, VE6NJK, W2UX, W2XN, WA5WHN

3 Foxes:

AB0CD, K6VNX, K8ZN, KA3WMJ, KA5T, KB0YTK, KI0G, KI0KY, N2TO, N7XJW,

NA3V, NK6

VE7CQK, W5USJ, WB5QYT, WB9HFK

2 Foxes:

AE4IC, AL0A, K5GQ/M, KF6CTA, KL7IXI, KQ0I, N6VZ, N7CQR, N9KW, W1GL,
W5YR, WA8GHZ, WA9PWP, WB8RCR, WB9LKC, WF4I, WW5XX, WW7Y, WZ2T

1 Fox:

AA0ZZ, AA9L, AB7DU, AC5K, AE3OU, AL7FS, K3AS, K4PYM, K5EYE, K5F0,
K5GTY, K5JSP

K5LD, K5NZ, K5VBS, K5VUU, K6DW, K6DXU, K8IQY, KA5BMK, KB2PQY, KB2VMO,
KB9BVN

KB9IOT/M, KC0EGC, KD6VIO, KE7ZX, KG0PP, KG7PV, KK4LN, KK7GG, KS4V,
KU4UX,

N0RN, N10CJ, N10DL, N2APB, N2CQ, N2CX, N2LY, N2SMH, N5FN, N5JUW, N5LB,
N7KT, N7RR, N7VAR, N7VE, N8KW, N8RO, NC7W, NQ7Y, NR3Z, NS4L, NU4AN,
NZ4E, NZ8J, VA3JFF VE3FAL, VE3LOH, VE3SP, VE5VA, W0AW, W0YSE, W2IV,
W2PFS, W2SCF, W2TV, W2VCO, W3NR, W4DEC, W4IM, W4JPK, W4VC, W4VCA, W5FN,
W5TB, W5TBT, W6RA, W6SIY, W7SSM, W7UQ, W8RO, WA8GHD, WA8MCQ, WA8MNE,
WA8RXI, WA9WFA, WB5QTY, WB6MFS, WB8E, WJ1R, WV3J

</fontfamily>

Date: Fri, 11 Dec 1998 13:11:54 -0500
From: David Fouchey <dafouche@jax-inter.net>
To: JGold@tntech.edu, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [27128] Re: A sign?
Message-ID: <3.0.1.32.19981211131154.00850100@jax-inter.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:19 AM 12/11/98 -0600, Jeff M. Gold wrote:

>well was thinking of selling my HW9 setup. Got on 30 mtrs this am. Worked an
>86 year old gentleman. We both were on HW9s, both with G5RVs, had a great

>QSO, his rig sounded great.. he reported same. Good tone, no drift, good
>break-in. Part of the QSO consisted of him telling me how long he has had
>his, how much he likes it and how he would never sell it. Maybe my rig is
>really trying to tell me something, maybe its possessed, or maybe it is
>Friday.

>

>

I opt for your original thought, rig's telling you to keep it. I've owned
both the HW-7 and HW-8 but never got my hands on an HW-9. Hope to though
some time soon.

72

Dave wa4emr

Date: Fri, 11 Dec 1998 13:31:58 -0500
From: "Ed Tanton" <n4xy@mindspring.com>
To: "Steve Yates, AA5TB" <aa5tb@swbell.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [27129] RE: Soldering Skills-Uh-oh!!!
Message-ID: <005d01be2534\$89716630\$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Actually Steve, most of my philosophy came from NASA soldering requirements
for satellites. I still maintain that a properly soldered joint will not
come loose-even under a 3 axis, 10g vibration table shake. Even when it has
been wicked of the bulk of the normal miniscus of solder-according to NASA
weight-reducing policy. The biggest culprit on loops is in switch wafers.
There is just no need for more than a straight wire through the hole. You're
absolutely correct on >180 degrees and less than 360 for lugs. That was what
I meant by a 3/4 "C".

Date: Fri, 11 Dec 1998 13:53:21 -0500
From: "Joiner, Randy - LYSBB" <JoinerR@avionics2.robins.af.mil>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [27130] Discounted Books
Message-ID: <AD001062E6EFD111AB4A00805F9F46A7544AF1@mustang>
MIME-Version: 1.0

Content-Type: text/plain

Nope its not a commercial, just a suggestion where some of you might get some ARRL (and possibly others) books at prices less than full retail.....and minus sales tax! Try <http://www.amazon.com> and <http://barnesandnoble.com> . Do a search using ARRL as the keyword and you will get a list of what they have.....The Handbook is there! I have ordered from amazon on numerous occasions and have always been well satisfied with the service, often they ship 2 day delivery USPS at no extra charge. A friend of mine uses Barnes and Noble quite often and likewise is a satisfied customer.

Randy WD4DSX

"In Europe 100 miles is a long way, in America 100 years is a long time." author unkown

Date: Fri, 11 Dec 1998 13:28:13 -0600 (EST)
From: Jim Glover <psykey@okcforum.org>
To: kd7s@psnw.com
Cc: qrp-l@lehigh.edu, mark@grennan.com
Subject: [27131] MINI-L: I volunteer!
Message-ID: <199812111928.NAA01892@okcforum.org>
Content-Type: text

Bill, KD7S (launcher of the MINI-L project) posted:

> I will issue three separate calls for volunteers. The first will be for
> designers. Sometime after that will be a second call, this time for
> builders and beta testers. The last call will be for writers and html
> programmers.

Bill--

I realize that going by the three categories you list here, I would be a better fit for the third category, and so, may be jumping the gun, but I'm going to go ahead and offer some specific services, anyway.

As I mentioned to you in private email, a friend and I have been dreaming up some similar ideas, as a result of our discussions about how to get the most out of a DDS VFO project we'd like to do. It's been a month or two since I posted to QRP-L about the idea, so no doubt my post about it has faded from memory, for most of us. In a nutshell, the plan was to get the most out of the computer which runs the DDS by having it provide VFO-related features such as RIT,

A/B split, frequency memories, and also, some other control features for the rig at large, such as T/R switching, bandswitching, QSK, TX frequency offset, etc. This VFO and control functionality would be combined with other modules to make a complete transceiver. A direct conversion receiver could easily cover various frequency bands depending on its local oscillator frequency (supplied by the VFO). Debco (thanks to whoever posted their URL recently) has a kit for a circuit which would amplify the VFO's signal to a full watt on any HF band. So, a DDS VFO, its associated control computer, a DC receiver, and the RF amplifier kit (along with some miscellaneous parts such as low-pass filters, and reed relays for switching them) could be the simplest modules to make an all-band 1-watt HF transceiver with features like RIT, A/B VFO, etc.

A MajorDomo email distribution list has already been created in hopes that it might be useful to MINI-L designers. It would be presumptuous of me to invite people to join this list at this time, since I'm not in charge of this project. However, if you'd like to take advantage of this (and I hope you will), there's a MajorDomo list set up, named MINI-L, which could be used for the discussions involved in designing and managing the MINI-L project. Just say the word, and I'll announce how to subscribe to the list, or pass the information along to you so that you can invite only those you choose for the design team, or whatever you'd like.

I gather from your remarks that you plan to make a web page about the MINI-L project only after it's complete, but I'd like to suggest that you consider using a web page as a tool to help the designers (and to let the lurkers keep up with the project as it develops). A web page that describes the design of the project so far could help everyone stay on the same page. In this project particularly, there would be much to be gained, since this project involves not just circuits, layouts, etc., but also, a design philosophy, and specifications about the interfacing of the various modules. One of the really great aspects of this idea is that various people (even those not included in the original design team) could make modules that could be used with the others, once the module interface specifications reached a reasonably stable stage.

I have begun a web page describing the ideas that my friend Mark, KD5AMB, and I have come up with. So far, I have only the introduction written. (If anyone wants to see it, it's temporarily at: <http://www.qsl.net/wb5ude/wb5ude/> .)

I'm not savvy enough with RF electronics to be counted as a designer, but I'd love to be in on the design process, to help

design not the circuit-level details, but the broader concepts unique to this project (module interfaces, design philosophy, etc.). Regardless of whether you'd welcome that sort of participation on my part, I'd still like to volunteer the MINI-L email distribution list (a "reflector" just like QRP-L) for whomever does get included in the design process, and if included in the design process, I'd like to volunteer to maintain a web page describing the design so far as we go along.

Thanks for launching a very interesting project, Bill!

--Jim WB5UDE

Date: Fri, 11 Dec 1998 14:29:27 -0500
From: DNT1@daimlerchrysler.com
To: wn6hyx@qsl.net
Cc: qrp-l@Lehigh.EDU
Subject: [27132] Re: foxii log again
Message-ID: <052566D7.006B0ADD.00@lmgodd02.notes.chrysler.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Mary wrote:

> 0240 AI4CW 559 339 AL DON 1630 (how did we manage that qso, don?)
>
> Thanks again and I'll sign it this time!
>
> Mary <><wn6hyx

It was quite an effort to be sure, especially when I flipped to AM to try to hear you over the carrier of the BC station that was right on top of you! I think it's time to pop for a real DSP unit & some good narrow IF filters...

BTW, you did a great job copying though all of that mess! My number's 1670 but I still don't see how you got any of it! Anyway, the QSL's in the mail (you earned this one!).

72,

Don T. AI4CW QRP-l#1670

Date: Fri, 11 Dec 1998 19:50:19 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-1@lehigh.edu
Subject: [27133] Pixie2 Upgrades and MINI-L.
Message-ID: <3671777B.23B1@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Boy this MINI-L is going to be great. I wanted to jump in and contribute. Unfortunately it is obvious I'm burning both ends and the middle of my candle right now.

So I have decided to cruise gently into this by working on my pixie2. I wanted to add the CB Slider for VFO coverage. Then I got to thinking about needing to add the transmit offset in place of the toggle switch method.

So Instead of upgrading my existing Pixie2, I think instead I'll spend the next year building a upgradeable Pixie2.

First I'll build the VFO so that I can use different ones and this will also serve as a VFO testbed for future homebrew work.

The VFO will simply take the place of the XTAL location.

I'll separate out all the other blocks and will assign all of the block paramater to some range of values.

Sort of like programming:

For example the PA/Detector of the Pixie2 could be defined as: 50 Ohm input, RF amplituted 30 mV p-p, etc.... Which of course will also be the definition of the VFO Osc. output.

Darn near a PIXIE-L. <smile>

So I'm not gonna modify my pixie2. IT is time to re-create this simple rig.

Just sharing my thoughts on a overcast and cold Friday up here 60 miles north of San Francisco in the wine country.

Have a great weekend all and hope you hear my pixie2 at
1700Z tmw on wsn-40 QRG:7040 KHz.

-Ed

--

72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Sat, 12 Dec 1998 04:38:09 +0800 (SGT)
From: Brad Bradfield <b_bradfield@yahoo.com>
To: Message posts for QRP-L <qrp-l@lehigh.edu>
Subject: [27134] re: EBAY EXPERIENCE
Message-ID: <19981211203809.21989.rocketmail@send201.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hello y'all - -

Sorry I didn't send this directly to whoever posted the question about
EBAY, but thought everyone might be interested. I've used ebay for
some time, and have bought and sold many items there, with excellent
results. It especially brings together a collection of bidders that
you don't usually get at the typical swap meet or hamfest, thus
bringing good prices.

If you're not familiar with ebay, check out www.ebay.com.

72's es 73's,

Brad, W5CGH

==

Brad Bradfield, PE	W5CGH	Systems Engineer
(ex WB0CGH)		Raytheon Systems Company

Real men talk with their fingers!!

QRP-L #377	SMIRK #4906
ARS #72	Austin QRP Club #e

DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Fri, 11 Dec 1998 15:44:51 -0500 (EST)
From: Jim Fielden <fielden@utkux.utcc.utk.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [27135] Slinky Antenna
Message-ID: <Pine.LNX.3.95.981211154012.1282A-100000@qrp.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have been using a slinky dipole from about 6 months with good results. I made it by taking two metal slinkys set up just like a dipole, I use nylon rope inside the slinky for supporting it, this is streched out in my 30' attic, I seem to have best swr at around 6 MHz but it tunes up nice on 80/40/30(works best here)/20/15/10 and 6 meter. I got the idea from an old 1970's QST add.

I just finished one of the EMTech ZM-2's and it loads up my Slinky dipole very nice.

72 * Jim, KU4QW - QRP-L #1481 - G-QRP #10117
fielden@utkux.utcc.utk.edu - FISTS #5380 - QRP ARCI #9789
<http://www.qsl.net/ku4qw/> - No-SSB Int(tm)#1,000,014

Date: Fri, 11 Dec 1998 14:49:26 -0600
From: William-McShan@ouhsc.edu (Mike McShan)
To: qrp-l@Lehigh.EDU
Subject: [27136] Re: Elmer205: Part 1 - SPICE introduction and Lab 1
Message-ID: <v01540b03b29732e3c938@[157.142.56.167]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

A functional Macintosh version of Spice is available at:

<ftp://ftp.informatik.rwth-aachen.de/pub/mirror/info-mac.org/sci/spice-3f4-16.hqx>

This version is freeware with all rights reserved by UC Berkeley. Both PowerPC and 68K versions are included. 68K version requires an FPU.

Mike N5JKY
Edmond, OK

Date: Fri, 11 Dec 1998 13:00:29 PST
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [27137] Re: 40673 FS
Message-ID: <19981211210029.25529.qmail@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain

How does the NTE222 compare to the 40673? The former is still readily available at a comparable price or less.

Brad

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Fri, 11 Dec 1998 14:58:49 -0600
From: Chuck Carpenter <w5usj@webwide.net>
To: JoinerR@avionics2.robins.af.mil, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Cc: w0tok@email.msn.com
Subject: [27138] Re: Discounted Books
Message-ID: <3.0.1.32.19981211145849.00691190@mail.webwide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Another good source for all sorts of radio and electronics books is: Paul Washa, W0TOK. I just bought the 1999 Handbook and a reprint of the 1934 Official Shortwave Manual. Best prices I've seen anywhere including Amazon with reasonable shipping charges. Ask Paul for his 4 1/2 page book list. Even with the small shipping charges, the prices on Pauls list are lower than elsewhere.

w0tok@email.msn.com

72/73, Chuck, W5USJ, Point, TX EM22cv -- ARCI #5422 QRP-L #1306

Date: Fri, 11 Dec 1998 23:05:35 +0000
From: Peter Larsen <larsenp@cadvision.com>
To: Low Power <qrp-l@Lehigh.EDU>, QRP-Canada <qrp-canada@lists.gpfn.sk.ca>

Subject: [27139] DU4DX
Message-ID: <3671A53F.C58BC719@cadvision.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi All:

Although this won't be too much good to most of you:
I just worked DU4DX on 28.455 at 23:00z Dec. 11.
He was +20 and I got a 52.
Not too bad for >5 watts.

See you all on ten next week end.

--

73 es have fun
Peter
VE6YC D021wc

Did you hear about the dyslexic Satanist?
He sold his soul to Santa

Date: Fri, 11 Dec 1998 16:30:58 -0500
From: w4bws@juno.com (Donald E Sanders)
To: b_bradfield@yahoo.com
Cc: qrp-1@Lehigh.EDU
Subject: [27140] Re: Submarines - not QRP
Message-ID: <19981211.185316.4806.2.w4bws@juno.com>

Share the second orange with me!!!
Donald Sanders W4BWS
694 E. Eau Gallie Blvd. Satellite Beach, FL 32937
407-779-0222 Fax 407-779-0830
W4BWS@juno.com
My favorite QRP rig glows in the dark

On Wed, 09 Dec 1998 20:30:10 -0800 Brad Bradfield <b_bradfield@yahoo.com>
writes:

>I'll bite. What do you do if you have two navels?
>
>Brad
>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 11 Dec 1998 17:59:35 -0500
From: w4bws@juno.com (Donald E Sanders)
To: dave_epps@juno.com
Cc: qrp-1@Lehigh.EDU
Subject: [27141] Re: Stinky Slinky
Message-ID: <19981211.185316.4806.4.w4bws@juno.com>

How about dryer vent hose as a disguise antenna?
Just try to think of a good excuse to hang that from a tree.
Of course it could be strung along an attic and end fed.
Donald Sanders W4BWS
694 E. Eau Gallie Blvd. Satellite Beach, FL 32937
407-779-0222 Fax 407-779-0830
W4BWS@juno.com
My favorite QRP rig glows in the dark

On Thu, 10 Dec 1998 09:45:11 -0800 dave_epps@Juno.Com writes:
>Most R.V. dump hoses are just a slinky in a plastic tube. I think I
>have a "new" one
>in the garage. I'll give it a try. I wouldn't want a "Stinky Slinky".
> dave ab5pc fresno, ca.
>
>-----
>You don't need to buy Internet access to use free Internet e-mail. Get
>completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
>or call Juno at (800) 654-JUNO [654-5866]

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 11 Dec 1998 16:37:44 -0500
From: w4bws@juno.com (Donald E Sanders)
To: vlantz@juno.com
Cc: qrp-1@Lehigh.EDU
Subject: [27142] Re: My 160 meter "slinky"
Message-ID: <19981211.185316.4806.3.w4bws@juno.com>

Picked up two metal slinkys at Walmart for less than \$5.00.
They are smaller diameter than I remember the originals,

but should work for 40 up or maybe 80 up and ladderline
feed. Tacked on the end of a 40 meter dipole they should give
80 and 160.

Donald Sanders W4BWS

694 E. Eau Gallie Blvd. Satellite Beach, FL 32937

407-779-0222 Fax 407-779-0830

W4BWS@juno.com

My favorite QRP rig glows in the dark

On Thu, 10 Dec 1998 08:43:45 -0600 vlantz@Juno.Com (Vann G Lantz) writes:

>>>While digging through the junk in my shack for a new coil form I

>came across a "slinky" and a lightbulb in my head went on.

>

>This is HAM at its finest. I WILL keep a slinky on hand from now on.

>Good job!

>

>Vann Lantz

>VLantz@Juno.Com

>"If there is no God, then who pops up the next Kleenex in the box?"

>

>-----
>You don't need to buy Internet access to use free Internet e-mail. Get

>completely free e-mail from Juno at <http://www.juno.com/getjuno.html>

>or call Juno at (800) 654-JUNO [654-5866]

You don't need to buy Internet access to use free Internet e-mail.

Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>

or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 11 Dec 1998 19:00:19 -0500

From: hamjoel@juno.com

To: qrp-l@lehigh.edu

Subject: [27143] RE: picking up cable tv

Message-ID: <19981211.190020.-224643.1.hamjoel@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

High gang

can remember one call where a ham with fifteen hundred watts ssb, cw was
the primary show in a three block area... approx...

The guy's antenna was a four element quad and europe was inline with his
antenna and a cable tv trunkline distribution amp.

Remaking the connections to the cable amplifier didn't cure the problem

and riding around with a yagi pointed at the cable tv line didn't find any opens....

However, in front of his house, before the amp, the cable trunk line did look odd...

I found the beginnings of a crack in the line and so I cut and spliced it... problem cured...

At the time the company didn't have any TDR machines... which should have shown the problem area....

Cable tv can be a fun situation

joel, wa5cvm, displaced cajun, in maine, freezing his little web feets off...

You don't need to buy Internet access to use free Internet e-mail.

Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

End of QRP-L Digest 1302

